



Revision Date: 7/14/2016

Watco Industrial Flooring Multi Component Product Information Sheet

B11202136 Chemi-Coat Rapid - Black is a multi component product composed of the following individual chemical components:

- WT7500003A1W Epoxicote Highbuild Resin - Black
- WT7500016A1W Watco Epoxicote Highbuild Rapid Curing Agent

SDSs for each component follow this cover sheet.

Transportation Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|--|---|---|---|---|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000 | | | |

Safety Data Sheet



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1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Epoxicote Highbuild Resin - Black | Revision Date: | 7/14/2016 |
| Product Identifier: | WT7500003A1W | Supercedes Date: | 3/21/2016 |
| Product Use/Class: | Heavy Duty Floor Coating/Base | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

53% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--------------------------------------|
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P281 | Use personal protective equipment as required. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P261 | Avoid breathing dust, fumes, gases, mists, vapors, or spray. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P362 | Take off contaminated clothing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

GHS SDS PRECAUTIONARY STATEMENTS

P363

Wash contaminated clothing before reuse.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-------------------|--------------------|--------------------------|
| Barium Sulfate | 7727-43-7 | 25-50 | Not Available | Not Available |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 25-50 | GHS07 | H315-317-319-335 |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 2.5-10 | Not Available | Not Available |
| Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis- | 2425-79-8 | 2.5-10 | GHS07 | H302-312-315-317-319-332 |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 2.5-10 | Not Available | Not Available |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0-2.5 | GHS07-GHS08 | H304-332-340-350 |
| Phenol, Methylstyrenated | PROPRIETARY | 0.1-1.0 | Not Available | Not Available |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 0.1-1.0 | GHS02-GHS06 | H226-331-335 |
| Crystalline Silica / Quartz | 14808-60-7 | 0.1-1.0 | Not Available | Not Available |
| Oxirane, methyl-, polymer with oxirane, monobutyl ether | 9038-95-3 | 0.1-1.0 | GHS06 | H330 |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|---|-------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Barium Sulfate | 7727-43-7 | 40.0 | 5 mg/m3 | N.E. | 15 mg/m3 | N.E. |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 30.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 2425-79-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Methylstyrenated | PROPRIETARY | 1.0 | N.E. | N.E. | N.E. | N.E. |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 1.0 | 25 ppm | N.E. | 50 ppm | N.E. |
| Crystalline Silica / Quartz | 14808-60-7 | 1.0 | 0.025 mg/m3 | N.E. | N.E. | N.E. |
| Oxirane, methyl-, polymer with oxirane, monobutyl ether | 9038-95-3 | 1.0 | N.E. | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|-----------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.750 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | None | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 7.5 - 1.0 |
| Boiling Range, °C: | -18 - 537 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|---|------------------|--------------------|-------------------|
| 25068-38-6 | Epichlorohydrin-bisphenol A resin | 11400 mg/kg Rat | >5000 | 25 g/L |
| 28064-14-4 | Phenol, Polymer with Formaldehyde, Glycidyl Ether | N.I. | N.I. | 25 |
| 2425-79-8 | Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 1134 mg/kg Rat | N.I. | N.I. |
| 68081-84-5 | Alkyl (C13-15) Glycidyl Ether | N.I. | N.I. | 100 |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.I. |
| 108-83-8 | 2,6-Dimethyl-4-Heptanone | 5750 mg/kg Rat | N.I. | N.I. |
| 14808-60-7 | Crystalline Silica / Quartz | 5500 mg/kg Rat | 5500 | 100 mg/L |
| 9038-95-3 | Oxirane, methyl-, polymer with oxirane, monobutyl ether | 5000 mg/kg Rat | 14904 mg/kg Rabbit | .1 mg/L Rat |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|-------------------------|--|--|---------------------|
| UN Number: | N.A. | 3082 | 3082 | N.A. |
| Proper Shipping Name: | Not Regulated | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Not Regulated |
| Hazard Class: | N.A. | 9 | 9 | N.A. |
| Packing Group: | N.A. | III | III | N.A. |
| Limited Quantity: | No | Yes | Yes | No |

15. Regulatory Information

U.S. Federal Regulations:**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information**HMIS RATINGS**

Health: 2* Flammability: 1 Physical Hazard: 1 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 1

VOLATILE ORGANIC COMPOUNDS, g/L: 32

SDS REVISION DATE: 7/14/2016

REASON FOR REVISION: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 02 - Hazard Identification
 05 - Fire-fighting Measures
 09 - Physical & Chemical Properties
 16 - Other Information
 Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



Revision Date: 7/14/2016

Watco Industrial Flooring Multi Component Product Information Sheet

B11238139 Chemi-Coat Rapid - Mid Blue is a multi component product composed of the following individual chemical components:

WT7500016A1W Watco Epoxicote Highbuild Rapid Curing Agent

WT7500186A1W Epoxicote Highbuild Resin - Mid Blue

SDSs for each component follow this cover sheet.

Transportation Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|--|--|--|--|--|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000 | | | |

Safety Data Sheet



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1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Epoxicote Highbuild Resin - Mid Blue | Revision Date: | 7/14/2016 |
| Product Identifier: | WT7500186A1W | Supercedes Date: | 3/8/2016 |
| Product Use/Class: | Heavy Duty Floor Coating/Base | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

57% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--------------------------------------|
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P281 | Use personal protective equipment as required. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P261 | Avoid breathing dust, fumes, gases, mists, vapors, or spray. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P362 | Take off contaminated clothing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

GHS SDS PRECAUTIONARY STATEMENTS

P363

Wash contaminated clothing before reuse.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-------------------|--------------------|--------------------------|
| Barium Sulfate | 7727-43-7 | 25-50 | Not Available | Not Available |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 25-50 | GHS07 | H315-317-319-335 |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 2.5-10 | Not Available | Not Available |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 2.5-10 | Not Available | Not Available |
| Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis- | 2425-79-8 | 2.5-10 | GHS07 | H302-312-315-317-319-332 |
| Titanium Dioxide | 13463-67-7 | 2.5-10 | Not Available | Not Available |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0-2.5 | GHS07-GHS08 | H304-332-340-350 |
| Bisphenol A Epoxy Resin | 25085-99-8 | 1.0-2.5 | GHS07 | H315-317-319-335 |
| Alkyl Glycidyl Ether | 68609-97-2 | 0.1-1.0 | GHS07 | H315-317 |
| Phenol, Methylstyrenated | PROPRIETARY | 0.1-1.0 | Not Available | Not Available |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 0.1-1.0 | GHS02-GHS06 | H226-331-335 |
| Crystalline Silica / Quartz | 14808-60-7 | 0.1-1.0 | Not Available | Not Available |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|--|-------------|-----------------------|-------------------------|--------------------|----------------------|----------------------|
| Barium Sulfate | 7727-43-7 | 45.0 | 5 mg/m ³ | N.E. | 15 mg/m ³ | N.E. |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 30.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Oxirane, 2,2'-(1,4-butanediyl)bis (oxymethylene)bis- | 2425-79-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Titanium Dioxide | 13463-67-7 | 5.0 | 10 mg/m ³ | N.E. | 15 mg/m ³ | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Bisphenol A Epoxy Resin | 25085-99-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl Glycidyl Ether | 68609-97-2 | 1.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Methylstyrenated | PROPRIETARY | 1.0 | N.E. | N.E. | N.E. | N.E. |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 1.0 | 25 ppm | N.E. | 50 ppm | N.E. |
| Crystalline Silica / Quartz | 14808-60-7 | 1.0 | 0.025 mg/m ³ | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|-----------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.750 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | None | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 7.5 - 1.0 |
| Boiling Range, °C: | -18 - 200 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|--|------------------|--------------------|-------------------|
| 25068-38-6 | Epichlorohydrin-bisphenol A resin | 11400 mg/kg Rat | >5000 | 25 g/L |
| 28064-14-4 | Phenol, Polymer with Formaldehyde, Glycidyl Ether | N.I. | N.I. | 25 |
| 68081-84-5 | Alkyl (C13-15) Glycidyl Ether | N.I. | N.I. | 100 |
| 2425-79-8 | Oxirane, 2,2'-[1,4-butanediylbis-(oxymethylene)]bis- | 1134 mg/kg Rat | N.I. | N.I. |
| 13463-67-7 | Titanium Dioxide | >10000 mg/kg Rat | 2500 mg/kg | N.I. |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.I. |
| 25085-99-8 | Bisphenol A Epoxy Resin | >5000 | >20000 | >20 |
| 68609-97-2 | Alkyl Glycidyl Ether | 17100 mg/kg Rat | N.I. | N.I. |
| 108-83-8 | 2,6-Dimethyl-4-Heptanone | 5750 mg/kg Rat | N.I. | N.I. |
| 14808-60-7 | Crystalline Silica / Quartz | 5500 mg/kg Rat | 5500 | 100 mg/L |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|-------------------------|--|--|---------------------|
| UN Number: | N.A. | 3082 | 3082 | N.A. |
| Proper Shipping Name: | Not Regulated | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Not Regulated |
| Hazard Class: | N.A. | 9 | 9 | N.A. |
| Packing Group: | N.A. | III | N.A. | N.A. |
| Limited Quantity: | No | Yes | Yes | No |

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information

HMIS RATINGS

Health: 2* Flammability: 1 Physical Hazard: 1 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 1

VOLATILE ORGANIC COMPOUNDS, g/L: 33

SDS REVISION DATE: 7/14/2016

REASON FOR REVISION: Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
02 - Hazard Identification
05 - Fire-fighting Measures
09 - Physical & Chemical Properties
16 - Other Information
Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



Revision Date: 7/14/2016

Watco Industrial Flooring Multi Component Product Information Sheet

B11239140 Chemi-Coat Rapid - Mid Green is a multi component product composed of the following individual chemical components:

- WT7500352A1W Epoxicote Highbuild Resin - Mid Green
- WT7500016A1W Watco Epoxicote Highbuild Rapid Curing Agent

SDSs for each component follow this cover sheet.

Transportation Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|--|--|--|--|--|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000 | | | |

Safety Data Sheet



www.Watcofloors.com

1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Epoxicote Highbuild Resin - Mid Green | Revision Date: | 7/14/2016 |
| Product Identifier: | WT7500352A1W | Supercedes Date: | 3/21/2016 |
| Product Use/Class: | Heavy Duty Floor Coating/Base | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

60% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--------------------------------------|
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P281 | Use personal protective equipment as required. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P261 | Avoid breathing dust, fumes, gases, mists, vapors, or spray. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P362 | Take off contaminated clothing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

GHS SDS PRECAUTIONARY STATEMENTS

P363

Wash contaminated clothing before reuse.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-------------------|--------------------|--------------------------|
| Barium Sulfate | 7727-43-7 | 25-50 | Not Available | Not Available |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 25-50 | GHS07 | H315-317-319-335 |
| Pigment Green 17 | 1308-38-9 | 2.5-10 | Not Available | Not Available |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 2.5-10 | Not Available | Not Available |
| Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis- | 2425-79-8 | 2.5-10 | GHS07 | H302-312-315-317-319-332 |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 2.5-10 | Not Available | Not Available |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0-2.5 | GHS07-GHS08 | H304-332-340-350 |
| Phenol, Methylstyrenated | PROPRIETARY | 0.1-1.0 | Not Available | Not Available |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 0.1-1.0 | GHS02-GHS06 | H226-331-335 |
| Crystalline Silica / Quartz | 14808-60-7 | 0.1-1.0 | Not Available | Not Available |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|--|-------------|-----------------------|-------------------------|--------------------|----------------------|----------------------|
| Barium Sulfate | 7727-43-7 | 40.0 | 5 mg/m ³ | N.E. | 15 mg/m ³ | N.E. |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 30.0 | N.E. | N.E. | N.E. | N.E. |
| Pigment Green 17 | 1308-38-9 | 15.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 2425-79-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Methylstyrenated | PROPRIETARY | 1.0 | N.E. | N.E. | N.E. | N.E. |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 1.0 | 25 ppm | N.E. | 50 ppm | N.E. |
| Crystalline Silica / Quartz | 14808-60-7 | 1.0 | 0.025 mg/m ³ | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|-----------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.750 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | None | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 7.5 - 1.0 |
| Boiling Range, °C: | -18 - 537 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|--|------------------|--------------------|-------------------|
| 25068-38-6 | Epichlorohydrin-bisphenol A resin | 11400 mg/kg Rat | >5000 | 25 g/L |
| 28064-14-4 | Phenol, Polymer with Formaldehyde, Glycidyl Ether | N.I. | N.I. | 25 |
| 2425-79-8 | Oxirane, 2,2'-[1,4-butanediylbis-(oxymethylene)]bis- | 1134 mg/kg Rat | N.I. | N.I. |
| 68081-84-5 | Alkyl (C13-15) Glycidyl Ether | N.I. | N.I. | 100 |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.I. |
| 108-83-8 | 2,6-Dimethyl-4-Heptanone | 5750 mg/kg Rat | N.I. | N.I. |
| 14808-60-7 | Crystalline Silica / Quartz | 5500 mg/kg Rat | 5500 | 100 mg/L |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|-------------------------|--|--|---------------------|
| UN Number: | N.A. | 3082 | 3082 | N.A. |
| Proper Shipping Name: | Not Regulated | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Not Regulated |
| Hazard Class: | N.A. | 9 | 9 | N.A. |
| Packing Group: | N.A. | III | N.A. | N.A. |
| Limited Quantity: | No | Yes | Yes | No |

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Pigment Green 17 | 1308-38-9 |

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information**HMIS RATINGS**

Health: 2* Flammability: 1 Physical Hazard: 1 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 1

VOLATILE ORGANIC COMPOUNDS, g/L: 33

SDS REVISION DATE: 7/14/2016

REASON FOR REVISION: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 02 - Hazard Identification
 05 - Fire-fighting Measures
 09 - Physical & Chemical Properties
 16 - Other Information
 Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



Revision Date: 7/14/2016

Watco Industrial Flooring Multi Component Product Information Sheet

B11204141 Chemi-Coat Rapid - Navy Gray is a multi component product composed of the following individual chemical components:

WT7500353A1W Epoxicote Highbuild Resin - Navy Gray
 WT7500016A1W Watco Epoxicote Highbuild Rapid Curing Agent

SDSs for each component follow this cover sheet.

Transportation Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|--|--|--|--|--|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000 | | | |

Safety Data Sheet



www.Watcofloors.com

1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Epoxicote Highbuild Resin - Navy Gray | Revision Date: | 7/14/2016 |
| Product Identifier: | WT7500353A1W | Supercedes Date: | 3/8/2016 |
| Product Use/Class: | Heavy Duty Floor Coating/Base | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

57% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--------------------------------------|
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P281 | Use personal protective equipment as required. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P261 | Avoid breathing dust, fumes, gases, mists, vapors, or spray. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P362 | Take off contaminated clothing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

GHS SDS PRECAUTIONARY STATEMENTS

P363

Wash contaminated clothing before reuse.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-------------------|--------------------|--------------------------|
| Barium Sulfate | 7727-43-7 | 25-50 | Not Available | Not Available |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 25-50 | GHS07 | H315-317-319-335 |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 2.5-10 | Not Available | Not Available |
| Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis- | 2425-79-8 | 2.5-10 | GHS07 | H302-312-315-317-319-332 |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 2.5-10 | Not Available | Not Available |
| Titanium Dioxide | 13463-67-7 | 2.5-10 | Not Available | Not Available |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0-2.5 | GHS07-GHS08 | H304-332-340-350 |
| Bisphenol A Epoxy Resin | 25085-99-8 | 1.0-2.5 | GHS07 | H315-317-319-335 |
| Alkyl Glycidyl Ether | 68609-97-2 | 0.1-1.0 | GHS07 | H315-317 |
| Carbon Black | 1333-86-4 | 0.1-1.0 | Not Available | Not Available |
| Phenol, Methylstyrenated | PROPRIETARY | 0.1-1.0 | Not Available | Not Available |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 0.1-1.0 | GHS02-GHS06 | H226-331-335 |
| Crystalline Silica / Quartz | 14808-60-7 | 0.1-1.0 | Not Available | Not Available |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|--|-------------|-----------------------|-------------------------|--------------------|-----------------------|----------------------|
| Barium Sulfate | 7727-43-7 | 45.0 | 5 mg/m ³ | N.E. | 15 mg/m ³ | N.E. |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 30.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 2425-79-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Titanium Dioxide | 13463-67-7 | 5.0 | 10 mg/m ³ | N.E. | 15 mg/m ³ | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Bisphenol A Epoxy Resin | 25085-99-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Carbon Black | 1333-86-4 | 1.0 | 3 mg/m ³ | N.E. | 3.5 mg/m ³ | N.E. |
| Alkyl Glycidyl Ether | 68609-97-2 | 1.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Methylstyrenated | PROPRIETARY | 1.0 | N.E. | N.E. | N.E. | N.E. |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 1.0 | 25 ppm | N.E. | 50 ppm | N.E. |
| Crystalline Silica / Quartz | 14808-60-7 | 1.0 | 0.025 mg/m ³ | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|-----------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.750 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | None | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 7.5 - 1.0 |
| Boiling Range, °C: | -18 - 200 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010) Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|--|------------------|--------------------|-------------------|
| 25068-38-6 | Epichlorohydrin-bisphenol A resin | 11400 mg/kg Rat | >5000 | 25 g/L |
| 28064-14-4 | Phenol, Polymer with Formaldehyde, Glycidyl Ether | N.I. | N.I. | 25 |
| 2425-79-8 | Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 1134 mg/kg Rat | N.I. | N.I. |
| 68081-84-5 | Alkyl (C13-15) Glycidyl Ether | N.I. | N.I. | 100 |
| 13463-67-7 | Titanium Dioxide | >10000 mg/kg Rat | 2500 mg/kg | N.I. |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.I. |
| 25085-99-8 | Bisphenol A Epoxy Resin | >5000 | >20000 | >20 |
| 68609-97-2 | Alkyl Glycidyl Ether | 17100 mg/kg Rat | N.I. | N.I. |
| 1333-86-4 | Carbon Black | >15400 mg/kg Rat | N.I. | N.I. |
| 108-83-8 | 2,6-Dimethyl-4-Heptanone | 5750 mg/kg Rat | N.I. | N.I. |
| 14808-60-7 | Crystalline Silica / Quartz | 5500 mg/kg Rat | 5500 | 100 mg/L |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|-----------------------|-------------------------|--|--|---------------------|
| UN Number: | N.A. | 3082 | 3082 | N.A. |
| Proper Shipping Name: | Not Regulated | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Not Regulated |
| Hazard Class: | N.A. | 9 | 9 | N.A. |
| Packing Group: | N.A. | III | N.A. | N.A. |
| Limited Quantity: | No | Yes | Yes | No |

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information

HMIS RATINGS

Health: 2* Flammability: 1 Physical Hazard: 1 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 1

VOLATILE ORGANIC COMPOUNDS, g/L: 33

SDS REVISION DATE: 7/14/2016

REASON FOR REVISION: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 02 - Hazard Identification
 05 - Fire-fighting Measures
 09 - Physical & Chemical Properties
 16 - Other Information
 Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



Revision Date: 7/14/2016

Watco Industrial Flooring Multi Component Product Information Sheet

B11215143 Chemi-Coat Rapid - Safety Yellow is a multi component product composed of the following individual chemical components:

- WT7500136A1W Epoxicote Highbuild Resin - Safety Yellow
- WT7500016A1W Watco Epoxicote Highbuild Rapid Curing Agent

SDSs for each component follow this cover sheet.

Transportation Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|--|--|--|--|--|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000 | | | |

Safety Data Sheet



www.Watcofloors.com

1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Epoxicote Highbuild Resin - Safety Yellow | Revision Date: | 7/14/2016 |
| Product Identifier: | WT7500136A1W | Supercedes Date: | 3/8/2016 |
| Product Use/Class: | Heavy Duty Floor Coating/Base | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

50% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--------------------------------------|
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P281 | Use personal protective equipment as required. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P261 | Avoid breathing dust, fumes, gases, mists, vapors, or spray. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P362 | Take off contaminated clothing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

GHS SDS PRECAUTIONARY STATEMENTS

P363

Wash contaminated clothing before reuse.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|-----------------------|--------------------------|---------------------------|------------------------------|
| Barium Sulfate | 7727-43-7 | 25-50 | Not Available | Not Available |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 10-25 | GHS07 | H315-317-319-335 |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 2.5-10 | Not Available | Not Available |
| Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis- | 2425-79-8 | 2.5-10 | GHS07 | H302-312-315-317-319-332 |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 2.5-10 | Not Available | Not Available |
| Titanium Dioxide | 13463-67-7 | 2.5-10 | Not Available | Not Available |
| 1-Methoxy-2-Propyl Acetate | 108-65-6 | 2.5-10 | GHS02 | H226 |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0-2.5 | GHS07-GHS08 | H304-332-340-350 |
| Phenol, Methylstyrenated | PROPRIETARY | 0.1-1.0 | Not Available | Not Available |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 0.1-1.0 | GHS02-GHS06 | H226-331-335 |
| Crystalline Silica / Quartz | 14808-60-7 | 0.1-1.0 | Not Available | Not Available |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|--|-------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Barium Sulfate | 7727-43-7 | 40.0 | 5 mg/m3 | N.E. | 15 mg/m3 | N.E. |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 25.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 2425-79-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Titanium Dioxide | 13463-67-7 | 5.0 | 10 mg/m3 | N.E. | 15 mg/m3 | N.E. |
| 1-Methoxy-2-Propyl Acetate | 108-65-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Methylstyrenated | PROPRIETARY | 1.0 | N.E. | N.E. | N.E. | N.E. |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 1.0 | 25 ppm | N.E. | 50 ppm | N.E. |
| Crystalline Silica / Quartz | 14808-60-7 | 1.0 | 0.025 mg/m3 | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|------------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.750 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | None | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 1.0 - 13.0 |
| Boiling Range, °C: | -18 - 200 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Vapor LC50 |
|------------|--|------------------|--------------------|------------|
| 25068-38-6 | Epichlorohydrin-bisphenol A resin | 11400 mg/kg Rat | >5000 | 25 g/L |
| 28064-14-4 | Phenol, Polymer with Formaldehyde, Glycidyl Ether | N.I. | N.I. | 25 |
| 2425-79-8 | Oxirane, 2,2'-[1,4-butanediylbis-(oxymethylene)]bis- | 1134 mg/kg Rat | N.I. | N.I. |
| 68081-84-5 | Alkyl (C13-15) Glycidyl Ether | N.I. | N.I. | 100 |
| 13463-67-7 | Titanium Dioxide | >10000 mg/kg Rat | 2500 mg/kg | N.I. |
| 108-65-6 | 1-Methoxy-2-Propyl Acetate | 8532 mg/kg Rat | >5000 mg/kg Rabbit | N.I. |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.I. |
| 108-83-8 | 2,6-Dimethyl-4-Heptanone | 5750 mg/kg Rat | N.I. | N.I. |
| 14808-60-7 | Crystalline Silica / Quartz | 5500 mg/kg Rat | 5500 | 100 mg/L |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|-------------------------|--|--|---------------------|
| UN Number: | N.A. | 3082 | 3082 | N.A. |
| Proper Shipping Name: | Not Regulated | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Not Regulated |
| Hazard Class: | N.A. | 9 | 9 | N.A. |
| Packing Group: | N.A. | III | N.A. | N.A. |
| Limited Quantity: | No | Yes | Yes | No |

15. Regulatory Information

U.S. Federal Regulations:**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information**HMIS RATINGS**

Health: 2* Flammability: 1 Physical Hazard: 1 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 1

VOLATILE ORGANIC COMPOUNDS, g/L: 68

SDS REVISION DATE: 7/14/2016

REASON FOR REVISION: Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
02 - Hazard Identification
05 - Fire-fighting Measures
09 - Physical & Chemical Properties
16 - Other Information
Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



Revision Date: 7/14/2016

Watco Industrial Flooring Multi Component Product Information Sheet

B11205138 Chemi-Coat Rapid - Silver Gray is a multi component product composed of the following individual chemical components:

- WT7500102A1W Epoxicote Highbuild Resin - Silver Gray
- WT7500016A1W Watco Epoxicote Highbuild Rapid Curing Agent

SDSs for each component follow this cover sheet.

Transportation Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|--|--|--|--|--|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000 | | | |

Safety Data Sheet



www.Watcofloors.com

1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Epoxicote Highbuild Resin - Silver Gray | Revision Date: | 8/22/2018 |
| Product Identifier: | WT7500102A1W | Supercedes Date: | 9/21/2016 |
| Recommended Use: | Heavy Duty Floor Coating/Base | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

19% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--------------------------------------|
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|---|--|
| P201 | Obtain special instructions before use. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local, regional and national regulations. |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P264 | Wash hands thoroughly after handling. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P321 | For specific treatment see label |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| GHS SDS PRECAUTIONARY STATEMENTS | |
| P363 | Wash contaminated clothing before reuse. |

3. Composition / Information On Ingredients

HAZARDOUS SUBSTANCES

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. % Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|--------------------|--------------------|--------------------------|
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 10-25 | GHS07 | H315-317-319-335 |
| Formaldehyde, polymer with (chloromethyl)oxirane and phenol | 9003-36-5 | 2.5-10 | GHS07 | H315-317 |
| Titanium Dioxide | 13463-67-7 | 2.5-10 | Not Available | Not Available |
| Oxirane, 2,2'-(1,4-butanediylbis(oxymethylene))bis- | 2425-79-8 | 2.5-10 | GHS07 | H302-312-315-317-319-332 |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 2.5-10 | GHS07 | H315-317-319 |
| Bisphenol A Epoxy Resin | 25085-99-8 | 2.5-10 | GHS07 | H315-317-319-335 |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0-2.5 | GHS07-GHS08 | H304-332-340-350 |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 1.0-2.5 | Not Available | Not Available |
| Alkyl Glycidyl Ether | 68609-97-2 | 0.1-1.0 | GHS07 | H315-317 |
| Phenol, Methylstyrenated | PROPRIETARY | 0.1-1.0 | GHS07 | H315-317 |
| Carbon Black | 1333-86-4 | 0.1-1.0 | Not Available | Not Available |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 0.1-1.0 | GHS02-GHS06 | H226-331-335 |
| Crystalline Silica / Quartz | 14808-60-7 | 0.1-1.0 | Not Available | Not Available |
| Pine oil | 8002-09-3 | 0.1-1.0 | GHS06 | H311-331 |

4. First-Aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

Special Fire and Explosion Hazard (Combustible Dust): No Information

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

Advice on Safe Handling of Combustible Dust: No Information

8. Exposure Controls / Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|---|-------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 25.0 | N.E. | N.E. | N.E. | N.E. |
| Formaldehyde, polymer with (chloromethyl)oxirane and phenol | 9003-36-5 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Titanium Dioxide | 13463-67-7 | 5.0 | 10 mg/m3 | N.E. | 15 mg/m3 | N.E. |
| Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 2425-79-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Bisphenol A Epoxy Resin | 25085-99-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl Glycidyl Ether | 68609-97-2 | 1.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Methylstyrenated | PROPRIETARY | 1.0 | N.E. | N.E. | N.E. | N.E. |
| Carbon Black | 1333-86-4 | 1.0 | 3 mg/m3 | N.E. | 3.5 mg/m3 | N.E. |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 1.0 | 25 ppm | N.E. | 50 ppm | N.E. |
| Crystalline Silica / Quartz | 14808-60-7 | 1.0 | 0.025 mg/m3 | N.E. | 50 µg/m3 | N.E. |
| Pine oil | 8002-09-3 | 1.0 | N.E. | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Engineering Measures for Combustible Dust: No Information

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|-----------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.750 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | None | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 7.5 - 1.0 |
| Boiling Range, °C: | -18 - 200 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: No Information

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological Information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010) Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Vapor LC50 |
|------------|--|------------------|--------------------|----------------|
| 25068-38-6 | Epichlorohydrin-bisphenol A resin | 11400 mg/kg Rat | >5000 | 25 g/L |
| 9003-36-5 | Formaldehyde, polymer with (chloromethyl) oxirane and phenol | >2000 mg/kg Rat | N.E. | N.E. |
| 13463-67-7 | Titanium Dioxide | >10000 mg/kg Rat | 2500 mg/kg | N.E. |
| 2425-79-8 | Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 1134 mg/kg Rat | N.E. | N.E. |
| 68081-84-5 | Alkyl (C13-15) Glycidyl Ether | N.E. | N.E. | 100 |
| 25085-99-8 | Bisphenol A Epoxy Resin | >5000 | >20000 | >20 |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.E. |
| 28064-14-4 | Phenol, Polymer with Formaldehyde, Glycidyl Ether | N.E. | N.E. | 25 |
| 68609-97-2 | Alkyl Glycidyl Ether | 17100 mg/kg Rat | >3987 mg/kg Rabbit | N.E. |
| 1333-86-4 | Carbon Black | >15400 mg/kg Rat | N.E. | N.E. |
| 108-83-8 | 2,6-Dimethyl-4-Heptanone | 5750 mg/kg Rat | N.E. | N.E. |
| 14808-60-7 | Crystalline Silica / Quartz | 5500 mg/kg Rat | 5500 | 100 mg/L |
| 8002-09-3 | Pine oil | 3200 mg/kg Rat | 400 mg/kg Rabbit | >3.79 mg/L Rat |

N.E. - Not Established

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|-----------------------|-------------------------|-----------------------------|-------------------|---------------------|
| UN Number: | N.A. | Not Regulated | Not Regulated | N.A. |
| Proper Shipping Name: | Not Regulated | N.A. | N.A. | Not Regulated |
| Hazard Class: | N.A. | N.A. | N.A. | N.A. |
| Packing Group: | N.A. | N.A. | N.A. | N.A. |
| Limited Quantity: | No | N.A. | N.A. | N.A. |

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Carcinogenicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure), Germ cell mutagenicity

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

U.S. State Regulations:

California Proposition 65:

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

16. Other Information**HMIS RATINGS**

Health: 2* Flammability: 1 Physical Hazard: 1 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 1

Volatile Organic Compounds 33 g/L

SDS REVISION DATE: 8/22/2018

REASON FOR REVISION: Revision Description Changed
Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
02 - Hazard Identification
14 - Transport Information
15 - Regulatory Information
16 - Other Information
Revision Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



Revision Date: 7/14/2016

Watco Industrial Flooring Multi Component Product Information Sheet

B11208144 Chemi-Coat Rapid - Tile Red is a multi component product composed of the following individual chemical components:

WT7500016A1W Watco Epoxicote Highbuild Rapid Curing Agent
 WT7500360A1W Epoxicote Highbuild Resin - Tile Red

SDSs for each component follow this cover sheet.

Transportation Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|--|---|---|---|---|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000 | | | |

Safety Data Sheet



www.Watcofloors.com

1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Epoxicote Highbuild Resin - Tile Red | Revision Date: | 7/14/2016 |
| Product Identifier: | WT7500360A1W | Supercedes Date: | 3/8/2016 |
| Product Use/Class: | Heavy Duty Floor Coating/Base | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

60% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--------------------------------------|
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P281 | Use personal protective equipment as required. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P261 | Avoid breathing dust, fumes, gases, mists, vapors, or spray. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P362 | Take off contaminated clothing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

GHS SDS PRECAUTIONARY STATEMENTS

P363

Wash contaminated clothing before reuse.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-------------------|--------------------|--------------------------|
| Barium Sulfate | 7727-43-7 | 25-50 | Not Available | Not Available |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 25-50 | GHS07 | H315-317-319-335 |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 2.5-10 | Not Available | Not Available |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 2.5-10 | Not Available | Not Available |
| Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis- | 2425-79-8 | 2.5-10 | GHS07 | H302-312-315-317-319-332 |
| Iron Oxide | 1309-37-1 | 2.5-10 | Not Available | Not Available |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0-2.5 | GHS07-GHS08 | H304-332-340-350 |
| Bisphenol A Epoxy Resin | 25085-99-8 | 1.0-2.5 | GHS07 | H315-317-319-335 |
| Alkyl Glycidyl Ether | 68609-97-2 | 0.1-1.0 | GHS07 | H315-317 |
| Phenol, Methylstyrenated | PROPRIETARY | 0.1-1.0 | Not Available | Not Available |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 0.1-1.0 | GHS02-GHS06 | H226-331-335 |
| Crystalline Silica / Quartz | 14808-60-7 | 0.1-1.0 | Not Available | Not Available |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|--|-------------|-----------------------|-------------------------|--------------------|----------------------|----------------------|
| Barium Sulfate | 7727-43-7 | 45.0 | 5 mg/m ³ | N.E. | 15 mg/m ³ | N.E. |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 30.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Oxirane, 2,2'-(1,4-butanediyl)bis (oxymethylene)bis- | 2425-79-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Iron Oxide | 1309-37-1 | 5.0 | 5 mg/m ³ | N.E. | 10 mg/m ³ | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Bisphenol A Epoxy Resin | 25085-99-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl Glycidyl Ether | 68609-97-2 | 1.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Methylstyrenated | PROPRIETARY | 1.0 | N.E. | N.E. | N.E. | N.E. |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 1.0 | 25 ppm | N.E. | 50 ppm | N.E. |
| Crystalline Silica / Quartz | 14808-60-7 | 1.0 | 0.025 mg/m ³ | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|-----------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.750 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | None | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 7.5 - 1.0 |
| Boiling Range, °C: | -18 - 200 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Vapor LC50 |
|------------|--|------------------|--------------------|------------|
| 25068-38-6 | Epichlorohydrin-bisphenol A resin | 11400 mg/kg Rat | >5000 | 25 g/L |
| 28064-14-4 | Phenol, Polymer with Formaldehyde, Glycidyl Ether | N.I. | N.I. | 25 |
| 68081-84-5 | Alkyl (C13-15) Glycidyl Ether | N.I. | N.I. | 100 |
| 2425-79-8 | Oxirane, 2,2'-[1,4-butanediylbis-(oxymethylene)]bis- | 1134 mg/kg Rat | N.I. | N.I. |
| 1309-37-1 | Iron Oxide | >10000 mg/kg Rat | N.I. | N.I. |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.I. |
| 25085-99-8 | Bisphenol A Epoxy Resin | >5000 | >20000 | >20 |
| 68609-97-2 | Alkyl Glycidyl Ether | 17100 mg/kg Rat | N.I. | N.I. |
| 108-83-8 | 2,6-Dimethyl-4-Heptanone | 5750 mg/kg Rat | N.I. | N.I. |
| 14808-60-7 | Crystalline Silica / Quartz | 5500 mg/kg Rat | 5500 | 100 mg/L |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | Domestic (USDOT) | International (IMDG) | Air (IATA) | TDG (Canada) |
|-----------------------|------------------|--|--|---------------|
| UN Number: | N.A. | 3082 | 3082 | N.A. |
| Proper Shipping Name: | Not Regulated | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Not Regulated |
| Hazard Class: | N.A. | 9 | 9 | N.A. |
| Packing Group: | N.A. | III | N.A. | N.A. |
| Limited Quantity: | No | Yes | Yes | No |

15. Regulatory Information

U.S. Federal Regulations:**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information**HMIS RATINGS**

Health: 2* Flammability: 1 Physical Hazard: 1 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 1

VOLATILE ORGANIC COMPOUNDS, g/L: 33

SDS REVISION DATE: 7/14/2016

REASON FOR REVISION: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 02 - Hazard Identification
 05 - Fire-fighting Measures
 09 - Physical & Chemical Properties
 16 - Other Information
 Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



Revision Date: 7/14/2016

Watco Industrial Flooring Multi Component Product Information Sheet

B11203137 Chemi-Coat Rapid - Dark Gray is a multi component product composed of the following individual chemical components:

WT7500016A1W Watco Epoxicote Highbuild Rapid Curing Agent

WT7500105A1W Epoxicote Highbuild Resin - Dark Gray

SDSs for each component follow this cover sheet.

Transportation Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|--|---|---|---|---|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000 | | | |

Safety Data Sheet



www.Watcofloors.com

1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Epoxicote Highbuild Resin - Dark Gray | Revision Date: | 7/14/2016 |
| Product Identifier: | WT7500105A1W | Supercedes Date: | 3/21/2016 |
| Product Use/Class: | Heavy Duty Floor Coating/Base | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

57% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--------------------------------------|
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P281 | Use personal protective equipment as required. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P261 | Avoid breathing dust, fumes, gases, mists, vapors, or spray. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P362 | Take off contaminated clothing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

GHS SDS PRECAUTIONARY STATEMENTS

P363

Wash contaminated clothing before reuse.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-------------------|--------------------|--------------------------|
| Barium Sulfate | 7727-43-7 | 25-50 | Not Available | Not Available |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 25-50 | GHS07 | H315-317-319-335 |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 2.5-10 | Not Available | Not Available |
| Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis- | 2425-79-8 | 2.5-10 | GHS07 | H302-312-315-317-319-332 |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 2.5-10 | Not Available | Not Available |
| Titanium Dioxide | 13463-67-7 | 2.5-10 | Not Available | Not Available |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0-2.5 | GHS07-GHS08 | H304-332-340-350 |
| Bisphenol A Epoxy Resin | 25085-99-8 | 1.0-2.5 | GHS07 | H315-317-319-335 |
| Alkyl Glycidyl Ether | 68609-97-2 | 0.1-1.0 | GHS07 | H315-317 |
| Carbon Black | 1333-86-4 | 0.1-1.0 | Not Available | Not Available |
| Phenol, Methylstyrenated | PROPRIETARY | 0.1-1.0 | Not Available | Not Available |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 0.1-1.0 | GHS02-GHS06 | H226-331-335 |
| Crystalline Silica / Quartz | 14808-60-7 | 0.1-1.0 | Not Available | Not Available |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|--|-------------|-----------------------|-------------------------|--------------------|-----------------------|----------------------|
| Barium Sulfate | 7727-43-7 | 45.0 | 5 mg/m ³ | N.E. | 15 mg/m ³ | N.E. |
| Epichlorohydrin-bisphenol A resin | 25068-38-6 | 30.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Polymer with Formaldehyde, Glycidyl Ether | 28064-14-4 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Alkyl (C13-15) Glycidyl Ether | 68081-84-5 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Oxirane, 2,2'-[1,4-butanediylbis (oxymethylene)]bis- | 2425-79-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Titanium Dioxide | 13463-67-7 | 5.0 | 10 mg/m ³ | N.E. | 15 mg/m ³ | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Bisphenol A Epoxy Resin | 25085-99-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Carbon Black | 1333-86-4 | 1.0 | 3 mg/m ³ | N.E. | 3.5 mg/m ³ | N.E. |
| Alkyl Glycidyl Ether | 68609-97-2 | 1.0 | N.E. | N.E. | N.E. | N.E. |
| Phenol, Methylstyrenated | PROPRIETARY | 1.0 | N.E. | N.E. | N.E. | N.E. |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 1.0 | 25 ppm | N.E. | 50 ppm | N.E. |
| Crystalline Silica / Quartz | 14808-60-7 | 1.0 | 0.025 mg/m ³ | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|-----------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.750 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | None | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | 7.5 - 1.0 |
| Boiling Range, °C: | -18 - 200 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION: When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010) Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|--|------------------|--------------------|-------------------|
| 25068-38-6 | Epichlorohydrin-bisphenol A resin | 11400 mg/kg Rat | >5000 | 25 g/L |
| 28064-14-4 | Phenol, Polymer with Formaldehyde, Glycidyl Ether | N.I. | N.I. | 25 |
| 2425-79-8 | Oxirane, 2,2'-[1,4-butanediylbis-(oxymethylene)]bis- | 1134 mg/kg Rat | N.I. | N.I. |
| 68081-84-5 | Alkyl (C13-15) Glycidyl Ether | N.I. | N.I. | 100 |
| 13463-67-7 | Titanium Dioxide | >10000 mg/kg Rat | 2500 mg/kg | N.I. |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.I. |
| 25085-99-8 | Bisphenol A Epoxy Resin | >5000 | >20000 | >20 |
| 68609-97-2 | Alkyl Glycidyl Ether | 17100 mg/kg Rat | N.I. | N.I. |
| 1333-86-4 | Carbon Black | >15400 mg/kg Rat | N.I. | N.I. |
| 108-83-8 | 2,6-Dimethyl-4-Heptanone | 5750 mg/kg Rat | N.I. | N.I. |
| 14808-60-7 | Crystalline Silica / Quartz | 5500 mg/kg Rat | 5500 | 100 mg/L |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|-----------------------|-------------------------|--|--|---------------------|
| UN Number: | N.A. | 3082 | 3082 | N.A. |
| Proper Shipping Name: | Not Regulated | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Environmentally hazardous substance, liquid, nos (bisphenol a epoxy resin) | Not Regulated |
| Hazard Class: | N.A. | 9 | 9 | N.A. |
| Packing Group: | N.A. | III | N.A. | N.A. |
| Limited Quantity: | No | Yes | Yes | No |

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information

HMIS RATINGS

Health: 2* Flammability: 1 Physical Hazard: 1 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 1

VOLATILE ORGANIC COMPOUNDS, g/L: 33

SDS REVISION DATE: 7/14/2016

REASON FOR REVISION: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 02 - Hazard Identification
 05 - Fire-fighting Measures
 09 - Physical & Chemical Properties
 16 - Other Information
 Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Safety Data Sheet



www.Watcofloors.com

1. Identification

| | | | |
|-----------------------------|---|-------------------------|---|
| Product Name: | Watco Epoxicote Highbuild Rapid Curing Agent | Revision Date: | 7/14/2016 |
| Product Identifier: | WT7500016A1W | Supersedes Date: | 3/23/2016 |
| Product Use/Class: | No Information | | |
| Supplier: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA | Manufacturer: | Watco Industrial Flooring 11 Hawthorn Parkway Vernon Hills, IL 60061 USA |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

18% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

| | | |
|--|------|--|
| Acute Toxicity, Oral, category 4 | H302 | Harmful if swallowed. |
| Acute Toxicity, Dermal, category 4 | H312 | Harmful in contact with skin. |
| Acute Toxicity, Inhalation, category 3 | H331 | Toxic if inhaled. |
| Skin Corrosion, category 1 | H314 | Causes severe skin burns and eye damage. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P311 | Call a POISON CENTER or doctor/physician. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P260 | Do not breathe dust, fumes, gases, mists, vapors, or spray. |
| P301+P330+P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER or doctor/physician. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

GHS SDS PRECAUTIONARY STATEMENTS

P270

Do not eat, drink or smoke when using this product.

P363

Wash contaminated clothing before reuse.

3. Composition/Information On Ingredients**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|--|----------------|-------------------|--------------------|-----------------------|
| Benzyl Alcohol | 100-51-6 | 25-50 | GHS07 | H302-312-332 |
| Formaldehyde, Polymer With Benzenamine, Hydrogenated | 135108-88-2 | 10-25 | GHS05-GHS07 | H302-314 |
| Aliphatic Amine | PROPRIETARY | 10-25 | Not Available | Not Available |
| Tris-2,4,6-(Dimethylaminomethyl)Phenol | 90-72-2 | 2.5-10 | GHS07 | H302-312-315-319 |
| Benzene-1,3-dimethaneamine (MXDA) | 1477-55-0 | 2.5-10 | GHS05-GHS06 | H302-312-314-317-330 |
| Organic Acid | PROPRIETARY | 1.0-2.5 | Not Available | Not Available |
| 4,4'-Methylene-bis-Cyclohexylamine | 1761-71-3 | 1.0-2.5 | GHS05-GHS07-GHS08 | H302-314-317-373 |

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustion generates toxic fumes of carbon monoxide, carbon dioxide and other gases. No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance. Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Wash hands before eating. Remove contaminated clothing and launder before reuse. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Store in a dry, well ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV- TWA | ACGIH TLV- STEL | OSHA PEL-TWA | OSHA PEL- CEILING |
|---|-------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Benzyl Alcohol | 100-51-6 | 45.0 | N.E. | N.E. | N.E. | N.E. |
| Formaldehyde, Polymer With Benzenamine, Hydrogenated | 135108-88-2 | 25.0 | N.E. | N.E. | N.E. | N.E. |
| Aliphatic Amine | PROPRIETARY | 20.0 | N.E. | N.E. | N.E. | N.E. |
| Tris-2,4,6- (Dimethylaminomethyl)Phenol | 90-72-2 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Benzene-1,3-dimethanamine (MXDA) | 1477-55-0 | 10.0 | N.E. | N.E. | N.E. | N.E. |
| Organic Acid | PROPRIETARY | 5.0 | N.E. | N.E. | N.E. | N.E. |
| 4,4'-Methylene-bis- Cyclohexylamine | 1761-71-3 | 5.0 | N.E. | N.E. | N.E. | N.E. |

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|---|----------------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Solvent Like | Odor Threshold: | N.E. |
| Relative Density: | 1.070 | pH: | N.A. |
| Freeze Point, °C: | N.D. | Viscosity: | No Information |
| Solubility in Water: | Slight | Partition Coefficient, n-octanol/ water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | N.A. - N.A. |
| Boiling Range, °C: | 101 - 222 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid all possible sources of ignition. Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

HAZARDOUS DECOMPOSITION: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye burns. Extremely irritating to the eyes and may cause severe damage, including blindness. Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Contact causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Contact causes severe skin irritation and possible burns. Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High vapor concentrations are irritating to the eyes, nose, throat and lungs. Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Can burn mouth, throat and stomach. Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Vapor LC50 |
|-------------|--|----------------|-------------------|---------------|
| 100-51-6 | Benzyl Alcohol | 1230 mg/kg Rat | 2000 mg/kg Rabbit | 11 mg/L Rat |
| 135108-88-2 | Formaldehyde, Polymer With Benzenamine, Hydrogenated | 500 mg/kg Rat | N.I. | 25 |
| 90-72-2 | Tris-2,4,6-(Dimethylaminomethyl)Phenol | 1200 mg/kg Rat | 1280 mg/kg Rat | 25 mg/L |
| 1477-55-0 | Benzene-1,3-dimethanamine (MXDA) | 660 mg/kg Rat | 2000 mg/kg Rabbit | 1.34 mg/L Rat |
| 1761-71-3 | 4,4'-Methylene-bis-Cyclohexylamine | 1000 mg/kg Rat | 2500 mg/kg Rat | 25 |

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|---|---|---|---|
| UN Number: | 2735 | 2735 | 2735 | 2735 |
| Proper Shipping Name: | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) | Amines, liquid, corrosive, n.o.s. (polymethylenecyclohexanamine) |
| Hazard Class: | 8 | 8 | 8 | 8 |
| Packing Group: | III | III | III | III |
| Limited Quantity: | Yes | Yes | No | Yes |

15. Regulatory Information

U.S. Federal Regulations:**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information**HMIS RATINGS**

Health: 2* Flammability: 1 Physical Hazard: 0 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 438

SDS REVISION DATE: 7/14/2016

REASON FOR REVISION: Substance and/or Product Properties Changed in Section(s):
02 - Hazard Identification
Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.