



Material Safety Data Sheet

**CHEMTREC Transportation
Emergency Phone: 800-424-9300**

**Pittsburgh Poison Control
Center
Health Emergency No.: 412-681-6669**

•NOTE: The CHEMTREC Transportation
•Emergency Phone is to be used only in the
•event of chemical emergencies involving a
•spill, leak, fire, exposure or accident involving
•chemicals

Section 1 - Chemical Product / Company Information

Product Name: CARBOGUARD 1207 PART B **Revision Date:** 03/05/2007
Identification Number: PLMSDS 0941B1NL **Supersedes :** 03/05/2007
Product Use/Class: Polyamido-Amine Epoxy - FOR INDUSTRIAL USE ONLY
Preparer: Regulatory, Department

Manufacturer: Carboline Company
350 Hanley Industrial Ct.
St. Louis, MO 63144

Section 2 - Composition / Information On Ingredients

| Chemical Name | CAS Number | Weight % Less Than | ACGIH TLV-TWA | ACGIH TLV-STEL | OSHA PEL-TWA | OSHA-CEIL |
|---|------------|--------------------|---------------|----------------|--------------|-----------|
| TOFA, REACTION PRODUCTS WITH TEPA | 68953-36-6 | 75.0 | N/E | N/E | N/E | N/E |
| TETRAETHYLENEPENTAMINE | 112-57-2 | 15.0 | N/E | N/E | N/E | N/E |
| TRIS-2,4,6-(DIMETHYLAMINOMETHYL) PHENOL | 90-72-2 | 15.0 | NE | N/E | NE | NE |

Section 3 - Hazards Identification

Emergency Overview: Corrosive Material. Harmful if swallowed. Can cause eye and skin burns. May cause skin sensitization.

Effects Of Overexposure - Eye Contact: Can cause eye burns.

Effects Of Overexposure - Skin Contact: Can cause allergic skin reaction. Can cause skin burns.

Effects Of Overexposure - Inhalation: May cause nose and throat irritation. May cause lung irritation. May cause allergic respiratory reaction, effects may be permanent.

Effects Of Overexposure - Ingestion: Harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: Repeated or prolonged contact causes sensitization, asthma and eczemas

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: If sensitized to amines, epoxies, or other chemicals do not use. See a physician if a medical condition exists.

Section 4 - First Aid Measures

First Aid - Eye Contact: If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

First Aid - Skin Contact: In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

First Aid - Inhalation: If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

First Aid - Ingestion: If swallowed do not induce vomiting. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point, F: 315F (157C)
(Setaflash)

Lower Explosive Limit, %: N/A

Upper Explosive Limit, %: N/A

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire-fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of Nitrogen (NOx) is to be expected. Downward personnel must be evacuated. Burning produces obnoxious and toxic fumes.

Special Firefighting Procedures: Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear Self-contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

Section 7 - Handling And Storage

Handling: Do not get in eyes, on skin, or on clothing. Keep container tightly closed when not in use. Wear personal protection equipment. Do not breathe vapors. Wash thoroughly after handling. If pouring or transferring materials, ground all containers and tools. Do not weld, heat, cut or drill on full or empty containers. Use only in accordance with Carboline application instructions, container label and Product Data Sheet.

Storage: Keep away from heat, sparks, open flames and oxidizing agents. Keep containers closed. Store in a cool, dry place with adequate ventilation.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use explosion-proof ventilation when required to keep below health exposure guidelines and Lower Explosion Limit (LEL).

Respiratory Protection: Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use MSHA/NIOSH approved supplied air respirator. Follow all current OSHA requirements for respirator use.

Skin Protection: Recommend impervious gloves and clothing to avoid skin contact. If material penetrates to skin, change gloves and clothing. The use of protective creams may be beneficial to certain individuals. Protective creams should be applied before exposure.

Eye Protection: Recommend safety glasses with side shields or chemical goggles to avoid eye contact.

Other protective equipment: Eye wash and safety showers should be readily available.

Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Use of a hand cleaner is recommended. Launder contaminated clothing before reuse. Leather shoes can absorb and allow hazardous materials to pass through. Check shoes carefully after soaking before reuse.

Section 9 - Physical And Chemical Properties

| | | | |
|---------------------------|-------------------------------|--------------------------|-------------------|
| Boiling Range: | 266 F (130 C) - 320 F (160 C) | Vapor Density: | Heavier than Air |
| Odor: | Amine | Odor Threshold: | N/D |
| Appearance: | Brown, Viscous Liquid | Evaporation Rate: | Slower Than Ether |
| Solubility in H2O: | N/D | | |
| Freeze Point: | N/D | Specific Gravity: | 0.951 |
| Vapor Pressure: | N/D | PH: | N/D |
| Physical State: | Liquid | | |

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Heat, sparks and open flames.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, nitrogen oxides, and unidentified organic compounds. Consider all smoke and fumes from burning material as very hazardous. Welding, cutting or abrasive grinding can create smoke and fumes. Do not breathe any fumes or smoke from these operations.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: N/D

Product LC50: N/D

| Chemical Name | CAS Number | LD50 | LC50 |
|---|------------|----------------------|---------------|
| TOFA, REACTION PRODUCTS WITH TEPA | 68953-36-6 | >4750 MG/KG ORAL,RAT | NOT AVAILABLE |
| TETRAETHYLENEPENTAMINE | 112-57-2 | NOT AVAILABLE | NOT AVAILABLE |
| TRIS-2,4,6- (DIMETHYLAMINOMETHYL) PHENOL | 90-72-2 | 2169 MG/KG ORAL | NOT AVAILABLE |

Section 12 - Ecological Information

Ecological Information: No data

Section 13 - Disposal Information

Disposal Information: Dispose of in accordance with State, Local, and Federal Environmental regulations. Responsibility for proper waste disposal is with the owner of the waste.

Section 14 - Transportation Information

| | | | |
|---------------------------|---------|------------------|-----|
| DOT Proper Shipping Name: | Paint | Packing Group: | II |
| DOT Technical Name: | N/A | Hazard Subclass: | N/A |
| DOT Hazard Class: | 8 | Resp. Guide | 153 |
| | | Page: | |
| DOT UN/NA Number: | UN 3066 | | |

Additional Notes: None.

Section 15 - Regulatory Information

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:

IMMEDIATE 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 Section 313 Substances exist in this product

TOXIC SUBSTANCES CONTROL ACT

All components of this product are listed on the TSCA inventory.

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) Substances exist in this product

U.S. STATE REGULATIONS AS FOLLOWS:

NEW JERSEY RIGHT-TO-KNOW

The following materials are non-hazardous, but are among the top five components in this product.

| <u>Chemical Name</u> | <u>CAS Number</u> |
|--------------------------------|-------------------|
| BIS(DIMETHYLAMINOMETHYL)PHENOL | 71074-89-0 |

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

CALIFORNIA PROPOSITION 65

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

No California Proposition 65 Carcinogens exist

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

No California Proposition 65 Reproductive Toxins exist

INTERNATIONAL REGULATIONS AS FOLLOWS:

CANADIAN WHMIS

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2B E

Section 16 - Other Information

HMIS Ratings

Health: 3 **Flammability:** 1 **Reactivity:** 1 **Personal Protection:** X

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): 14

REASON FOR REVISION: Changes made in Section(s): 2, 3, 4, 5, 11, 14, and 15

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

The information contained herein is, to the best of our knowledge and belief accurate. However, since the

conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations