

Wearcoat SG-LP Part B

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Wearcoat SG-LP Part B
Common Name: Amidoamine Epoxy Curing Agent
SDS Number: I159
Revision Date: 1/29/2019
Version: 1
Chemical Family: Amidoamine / Epoxy Adduct
Product Use: Epoxy floor coating
Supplier Details: Coatings For Industry, Inc.
 319 Township Line Road
 Souderton, PA 18964

Contact: USA: 1-800-535-5053 / International :352-323-3500
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2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Dermal
 Health, Acute toxicity, 5 Oral
 Health, Acute toxicity, 5 Inhalation
 Health, Skin corrosion/irritation, 2
 Health, Serious Eye Damage/Eye Irritation, 1
 Health, Skin sensitization, 1 B
 Health, Respiratory sensitization, 1

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H313 - May be harmful in contact with skin
 H303 - May be harmful if swallowed
 H333 - May be harmful if inhaled
 H315 - Causes skin irritation
 H318 - Causes serious eye damage
 H317 - May cause an allergic skin reaction
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264 - Wash _ thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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P302+352 - IF ON SKIN: Wash with soap and water.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 - Rinse mouth.
 P332+313 - If skin irritation occurs: Get medical advice/attention.
 P362 - Take off contaminated clothing and wash before reuse.
 P501 - Dispose of contents/container in compliance with all Federal, State/Provincial and local laws

Hazards not otherwise classified (HNOC) or not covered by GHS

Route of Entry: Skin contact, and Eye contact.
Target Organs: Eyes, skin , respiratory system
Inhalation: The low vapor pressure of the resin makes inhalation unlikely in normal use.
Skin Contact: - Moderate irritant. Contact at elevated temperatures can cause thermal burns. May cause skin sensitization (rashes, hives). Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Eye Contact: Moderate to severe irritant. Contact at elevated temperatures can cause thermal burns.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

| Cas# | % | Chemical Name |
|------------|--------|--|
| 68951-85-9 | 15-25% | Fatty acids, tall-oil, polymers with bisphenol A, diethylenetriamine, epichlorohydrin and tetraethylenepentamine |
| 64-19-7 | 1-5% | Acetic acid, glacial |
| 109-55-7 | 0-2% | 1,3-Propanediamine, N,N-dimethyl- |

4 FIRST AID MEASURES

Inhalation: If affected, remove to fresh air.
 If not breathing, give artificial respiration.

Skin Contact: Wash with soap and water. Remove contaminated clothing and footwear immediately, and wash before reuse. Discard clothing and footwear which cannot be decontaminated.
 Get medical attention if irritation develops and persists.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
 Then remove contact lenses, if easily removeable, and continue irrigation for not less than 15 minutes.

Ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Drink 1 or 2 glasses of milk or water to dilute. Never give anything by mouth to an unconscious individual. Seek immediate medical attention

5 FIRE FIGHTING MEASURES

Flash Point: Greater than 200F

Hazardous gases/vapors produced in fire are carbon monoxide, carbon dioxide, phenolics.
 Extinguishing Media: Water, foam, dry chemical, CO2.
 Fire Fighting Instructions:
 Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. During a fire irritating, highly toxic gases may be generated by thermal decomposition or combustion. (See Section VIII) Emits toxic fumes under fire conditions. Isolate from heat, electrical equipment, sparks, and open flame. Closed container may explode when exposed to extreme heat. Wear neoprene gloves when handling refuse from fire.

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ACCIDENTAL RELEASE MEASURES**Containment Techniques**

Contain spill.

Clean-Up Techniques

Wear proper personal protective clothing and equipment.

Do not flush liquid into public sewer, water systems or surface waters.

Soak up large spill residue and small spills with an inert absorbent. Place into labeled, closed container; store in safe location to await disposal. Wash the spill area with soap and water. Dispose of in accordance with national and local regulations.

Change contaminated clothing and launder before reuse.

CAUTION: Spilled liquid and dried film may be slippery. Use care to avoid falls.

7

HANDLING AND STORAGE**Handling Precautions:**

Avoid eye contact.

Avoid repeated or prolonged skin contact.

Avoid inhalation of aerosol, mist, spray, fume or vapor.

Avoid drinking, tasting, swallowing or ingesting this product.

Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities.

Provide eyewash fountains and safety showers in the work area.

Use under well ventilated conditions.

Storage Requirements:

Do not store in open, unlabeled or mislabeled containers.

Do not allow product to freeze.

Do not puncture or stack drums.

Keep container closed when not in use.

Do not reuse empty container without commercial cleaning or reconditioning.

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EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls:**

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Ventilation guidelines/techniques may be found in publications such as Industrial Ventilation: American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH, 45240 1634, USA.

Personal Protective Equipment:

Hand protection: Butyl-rubber, Nitrile rubber, or Neoprene gloves. PVC disposable gloves, Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection: Chemical resistant goggles must be worn.

Skin and body protection: Long sleeve shirts and trousers without cuffs.

Special instructions for protection and hygiene: Discard contaminated leather articles, Wash hands at the end of each workshift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

Respiratory Protection:

Wear a respirator approved by NIOSH/MSHA (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the exposure limit(s) of any chemical substance listed in this MSDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

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Components with workplace control parameters:

Acetic acid, glacial (64-19-7)

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| TWA | 10 ppm | ACGIH |
| STEL | 15 ppm | ACGIH |
| TWA | 10 ppm | NIOSH REL |
| | 25 mg/m ³ | |
| ST | 15 ppm | NIOSH REL |
| | 37 mg/m ³ | |
| TWA | 10 ppm | OSHA Z-1 |
| | 25 mg/m ³ | |
| TWA | 10 ppm | OSHA P0 |
| | 25 mg/m ³ | |

Eye & Upper Respiratory Tract irritation
Pulmonary function

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| 9 | PHYSICAL AND CHEMICAL PROPERTIES |
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| Appearance: | Opaque | Odor: | Mild acrylic odor |
| Physical State: | Liquid | Solubility: | Soluble |
| Spec Grav./Density: | 1.053 | Freezing/Melting Pt.: | 32F |
| pH: | 8-10 | Vapor Density: | Heavier than air |
| Evap. Rate: | Slower than ether | VOC: | Part B VOC: 0.04lb./gal., Mixed: 0.02lb./g |

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| 10 | STABILITY AND REACTIVITY |
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| Chemical Stability: | This product is stable |
| Conditions to Avoid: | Heating above 300 ° F in the presence of air may cause slow oxidation decomposition and above 662 ° F may cause potentially violent decomposition. |
| Materials to Avoid: | Strong oxidizers, acids, bases, and epoxy hardeners under uncontrolled conditions. |
| Hazardous Decomposition: | Decomposition or combustion may generate irritating vapors, CO, CO ₂ , Phenolics. |
| Hazardous Polymerization: | Hazardous polymerization will not occur. |

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| 11 | TOXICOLOGICAL INFORMATION |
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Fatty acids, tall-oil, polymers with bisphenol A, diethylenetriamine, epichlorohydrin, and tetraethylenepentamine (68951-85-9)

Information on toxicological effects

- Acute toxicity:
- Oral LD50 Oral - rat -no data available
 - Inhalation LC50 Inhalation - rat - 4 h - no data available
 - Dermal LD50 Dermal - rabbit - no data available
 - Other information on acute toxicity: no data available
 - Skin corrosion/irritation: no data available
 - Serious eye damage/eye irritation: no data available
 - Skin sensitization: no data available
 - Respiratory sensitization: no data available
 - Germ cell mutagenicity: no data available

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Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Synergistic effects: no data available

Additional Information:

Acetic acid, glacial (64-19-7)

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 3,310 mg/kg

LC50 Inhalation - mouse - 1 h - 5620 ppm Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Other. Blood:Other changes.

LC50 Inhalation - rat - 4 h - 11.4 mg/l

LD50 Dermal - rabbit - 1,112 mg/kg

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes - rabbit Result: Corrosive to eyes

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: AF1225000

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Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Ingestion or inhalation of concentrated acetic acid causes damage to tissues of the respiratory and digestive tracts. Symptoms include: hematemesis, bloody diarrhea, edema and/or perforation of the esophagus and pylorus, pancreatitis, hematuria, anuria, uremia, albuminuria, hemolysis, convulsions, bronchitis, pulmonary edema, pneumonia, cardiovascular collapse, shock, and death. Direct contact or exposure to high concentrations of vapor with skin or eyes can cause: erythema, blisters, tissue destruction with slow healing, skin blackening, hyperkeratosis, fissures, corneal erosion, opacification, iritis, conjunctivitis, and possible blindness., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Stomach - Irregularities - Based on Human Evidence

1,3-Propanediamine, N,N-dimethyl- (109-55-7)

Information on toxicological effects

Acute toxicity:

Oral LD50 Oral - rat - 1,600 mg/kg

Inhalation LC50 Inhalation - rat - 4 h - > 4 ppm

Dermal LD50 Dermal - rabbit - 2,138.7 mg/kg

Other information on acute toxicity no data available

Skin corrosion/irritation: Causes severe burns

Serious eye damage/eye irritation: Causes serious eye damage

Skin sensitization: May cause allergic skin reaction

Respiratory sensitization: Not classified based on available information

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be fatal if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Ingestion Harmful if swallowed. Skin Toxic if absorbed through skin. Causes skin burns. Eyes Causes eye burns.

Signs and Symptoms of Exposure: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: TX7525000

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ECOLOGICAL INFORMATION**Fatty acids, tall-oil, polymers with bisphenol A, diethylenetriamine, epichlorohydrin, and tetraethylenepentamine (68951-85-9)**

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - no data available

Toxicity to daphnia and other aquatic invertebrates EC50 - no data available

Persistence and degradability: Biodegradability Biotic/Aerobic - no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Acetic acid, glacial (64-19-7)

Information on ecological effects

Toxicity:

Toxicity to fish semi-static test LC50 - *Oncorhynchus mykiss* (rainbow trout) - > 1,000 mg/l -

96 h (OECD Test Guideline 203)

Toxicity to daphnia and EC50 - *Daphnia magna* (Water flea) - > 300.82 mg/l - 48 h.

other aquatic (OECD Test Guideline 202) invertebrates

Persistence and degradability: Biodegradability aerobic - Exposure time 30 d Result: 99 % - Readily biodegradable.

Remarks: Expected to be biodegradable

Biochemical Oxygen 880 mg/g Demand (BOD)

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: Additional ecological no data available information

1,3-Propanediamine, N,N-dimethyl- (109-55-7)

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Leuciscus idus* (Golden orfe) - 122 mg/l - 96 h.Toxicity to daphnia EC50 - *Daphnia magna* (Water flea) - 59.5 mg/l - 48 h.

and other aquatic invertebrates

Toxicity to algae EC50 - *Desmodesmus subspicatus* (green algae) - 56.2 mg/l - 72 h.

Persistence and degradability: Biodegradability

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

May be harmful to aquatic organisms due to the shift of the pH.

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| 13 | DISPOSAL CONSIDERATIONS |
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Dispose of in accordance with local, state, and federal regulations. Incineration is the preferred method.

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| 14 | TRANSPORT INFORMATION |
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This product is not regulated for ground or air transportation.

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| 15 | REGULATORY INFORMATION |
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Component (CAS#) [%] - CODES

Fatty acids, tall-oil, polymers with bisphenol A, diethylenetriamine, epichlorohydrin and tetraethylenepentamine (68951-85-9) [15-25%] TSCA

RQ(5000LBS), Acetic acid, glacial (64-19-7) [1-5%] CERCLA, CSWHS, HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

1,3-Propanediamine, N,N-dimethyl- (109-55-7) [0-2%] TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity

TSCA = Toxic Substances Control Act

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

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| 16 | OTHER INFORMATION |
|-----------|--------------------------|

NOTICE: This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another: it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.