

Wearcoat SG-4 Part B

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Wearcoat SG-4 Part B
Common Name: Epoxy Curing Agent
SDS Number: I113
Revision Date: 5/22/2017
Version: 1
Product Use: Floor Coating
Supplier Details: Coatings For Industry, Inc.
 319 Township Line Road
 Souderton, PA 18964

Emergency: Infotrac
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, Respiratory sensitization, 1
 Health, Respiratory or skin sensitization, 1 Skin
 Health, Serious Eye Damage/Eye Irritation, 1
 Health, Skin corrosion/irritation, 1 A
 Environmental, Hazards to the aquatic environment - Acute, 2
 Environmental, Hazards to the aquatic environment - Chronic, 2
 Health, Acute toxicity, 1 Oral

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H317 - May cause an allergic skin reaction
 H318 - Causes serious eye damage
 H314 - Causes severe skin burns and eye damage
 H401 - Toxic to aquatic life
 H411 - Toxic to aquatic life with long lasting effects
 H300 - Fatal if swallowed

GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 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.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 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.

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

Route of Entry: Inhalation, skin and eye contact.

Target Organs: Prolonged or repeated exposure may cause injury or illness of the respiratory system (lungs).

Inhalation: Inhalation of vapor or aerosol may cause severe irritation to the respiratory tract (nose, throat, and lungs). Inhalation of vapors or aerosol may cause central nervous system depression with symptoms that include headache, nausea, impaired judgment, confusion, blurred vision, fatigue, loss of coordination, or dizziness. May cause an allergic respiratory response in some susceptible individuals. This response can range from mild wheezing to a severe asthmatic type attack.

Skin Contact: Contact may cause skin burning. Contact may cause skin sensitization, an allergic reaction which becomes evident on re-exposure to this material. Skin absorption of harmful amounts possible from excessive exposure only.

Eye Contact: Corrosive. Direct contact with eyes will cause severe burns and may cause permanent damage, including blindness. High vapor concentrations may be irritating.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
68605-86-7	49%	Fatty acids, tall-oil, polymers with linoleic acid dimers and tetraethylenepentamine
68953-36-6	27%	Fatty acids, tall-oil, reaction products with tetraethylenepentamine
68298-14-6	9%	3,6,9,12-Tetraazaheneicosan-21-amide, 1-amino-N-[2-[[2-[[2-[(2-aminoethyl)amino]ethyl]amino]ethyl]amino]ethyl]-13-(1-hydroxynonyl)-
67762-90-7	7%	Siloxanes and Silicones, di-Me, reaction products with silica
98-54-4	4%	Phenol, 4-(1,1-dimethylethyl)-
1477-55-0	2%	1,3-Benzenedimethanamine
15520-10-2	1%	1,5-Pentanediamine, 2-methyl-

4 FIRST AID MEASURES

Inhalation: If affected, remove to fresh air. Keep warm and quiet. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. GET IMMEDIATE MEDICAL ATTENTION.

Skin Contact: Wash the affected area thoroughly with plenty of water and soap. Remove contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation develops.

Eye Contact: Immediately flush eyes with plenty of clean water for an extended time, not less than five (5) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. Get medical Attention if irritation develops.

Ingestion: DO NOT INDUCE VOMITING. CORROSIVE HAZARD. This material may cause further damage if vomiting is induced. Immediately give the victim one or two glasses of water or milk to drink. Never give anything by mouth to an unconscious person. GET IMMEDIATE MEDICAL ATTENTION.

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

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5	FIRE FIGHTING MEASURES
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Flash Point: Greater than 220F

Hazardous gases/vapors produced in fire are carbon monoxide, carbon dioxide, and irritating or toxic vapors.

Extinguishing Media:

Water Fog, 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.

6	ACCIDENTAL RELEASE MEASURES
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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
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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.

Store in cool, well ventilated area.

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.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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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:

Eye/Face Protection:

Wear eye protection (chemical goggles or goggles and an 8-inch (minimum) full face shield where spilling and splashing may occur).

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Skin Protection:

Wear chemical resistant (impervious) gloves. If splashing is likely, wear impervious clothing and boots to prevent skin contact.

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).

Components with workplace control parameters:

Phenol, 4-(1,1-dimethylethyl)- (98-54-4)

no data available

1,3-Benzenedimethanamine (1477-55-0)

CEIL 0.1 mg/m3 USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Skin contact does contribute to exposure.

CEIL 0.1 mg/m3 USA. NIOSH Recommended Exposure Limits

Potential for dermal absorption

CEIL 0.1 mg/m3 USA. ACGIH Threshold Limit Values (TLV)

Skin contact does contribute to exposure.

Siloxanes and Silicones, di-Me, reaction products with silica (67762-90-7)

ACGIH: 10 MG/M3 TWA, TOTAL DUST

ACGIH: 3 MG/M3 TWA, RESPIRABLE DUST

OSHA PEL: 6 MG/M3 TWA

1,5-Pentanediamine, 2-methyl- (15520-10-2)

no data available

9	PHYSICAL AND CHEMICAL PROPERTIES
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Physical State:	Liquid	Odor:	Mild amine
Spec Grav./Density:	1.001	Solubility:	Negligible in water.
		VOC:	0.03

10	STABILITY AND REACTIVITY
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Chemical Stability:	This product is stable.
Conditions to Avoid:	Contamination by those materials referred to under incompatibility.
Materials to Avoid:	Strong oxidizers, acids, and epoxy resins under uncontrolled conditions.
Hazardous Decomposition:	Decomposition or combustion may generate irritating vapors, CO, CO ₂ , and volatile amines.
Hazardous Polymerization:	Hazardous polymerization will not occur.

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TOXICOLOGICAL INFORMATION**Eye Irritation/Damage:**

Component 1477-55-0: Serious eye damage, Category 1
Component 67762-90-7: Non-irritating.
Component 15520-10-2: Serious eye damage, Category 1
Component 68605-86-7: Serious eye damage, Category 1
Components 68953-36-6 & 68298-14-6: Serious eye damage, Category 1
Component 98-54-4: Serious eye damage, Category 1

Skin Irritation/Damage:

Component 1477-55-0: LD50: no data
Corrosive to skin, Category 1A
Component 67762-90-7: LD50: No data, Non-irritating.
Component 15520-10-2: LD50: no data
Corrosive to skin, Category 1A
Component 68605-86-7: LD50: 800 mg/kg, rat. Category 3
Extremely corrosive to skin, Category 1B
Components 68953-36-6 & 68298-14-6: LD50: 1700 mg/kg, rat. Category 4
Extremely corrosive to skin, Category 1B
Component 98-54-4: LD50: no data
Corrosive to skin, Category 1A

Acute Oral Toxicity:

Component 1477-55-0: LD50: no data
Component 67762-90-7: LD50: >5000 mg/kg, rat. Not Categorized.
Component 15520-10-2 : LD50: 1.69 mg/kg, rat. Category 1.
Component 68605-86-7: LD50: 4340, rat. Not categorized.
Components 68953-36-6 & 68298-14-6: LD50: 1200-1600, rat. Category 4.
Component 98-54-4: LD50: no data

Acute Inhalation Toxicity:

Component 1477-55-0: LC50: no data
Component 67762-90-7: No data
Component 15520-10-2: LC50: 4.9 mg/L (1029 ppm), rat. Category 3.
Component 68605-86-7: No data
Components 68953-36-6 & 68298-14-6: No data
Component 98-54-4: LC50: no data

Respiratory/Skin Sensitization:

Component 1477-55-0:
May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING.
Component 67762-90-7:
No evidence of respiratory or skin sensitization.
Component 15520-10-2:
May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING.
May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING.
Components 68953-36-6 & 68298-14-6:
May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING

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WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING.

Component 98-54-4:

May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING.

Carcinogenicity:

Component 1477-55-0: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

Component 67762-90-7: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

Component 15520-10-2: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

Component 68605-86-7: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

Components 68953-36-6 & 68298-14-6: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

Component 98-54-4: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

Reproductive Toxicity:

Component 1477-55-0: No data

Component 67762-90-7: No evidence of human reproductive toxicity.

Component 15520-10-2: No data

Component 68605-86-7: No data.

Components 68953-36-6 & 68298-14-6: No data.

Component 98-54-4: No data

Germ Cell Mutagenicity:

Component 1477-55-0: No data

Component 67762-90-7: No data

Component 15520-10-2: No data

Component 68605-86-7: No data

Components 68953-36-6 & 68298-14-6: No data

Component 98-54-4: No data

Aspiration Toxicity:

Component 1477-55-0: Not classified as an Aspiration Hazard.

Component 67762-90-7: Not classified as an Aspiration Hazard.

Component 15520-10-2: Not classified as an Aspiration Hazard.

Component 68605-86-7: Not classified as an Aspiration Hazard.

Components 68953-36-6 & 68298-14-6: Not classified as an Aspiration Hazard.

Component 98-54-4: Not classified as an Aspiration Hazard.

STOT-single exposure

Component 1477-55-0: No data

Component 67762-90-7: No data

Component 15520-10-2: No data

Component 68605-86-7: No data

Components 68953-36-6 & 68298-14-6: No data

Component 98-54-4: No data

STOT-repeated exposure

Component 1477-55-0: No data

Component 67762-90-7: No data

Component 15520-10-2: No data

Component 68605-86-7: No data

Components 68953-36-6 & 68298-14-6: No data

Component 98-54-4: No data

Routes of Exposure:

Inhalation of vapors, skin/eye/mucous membrane absorption, ingestion.

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ECOLOGICAL INFORMATION

Environmental Toxicity:

Component 1477-55-0:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 5.14 mg/l - 96.0 h.

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 3.9 mg/l - 48 h.

Component 67762-90-7: LC50: <10,000 mg/l (fish); EC50: <1,000 mg/l (daphnia); EC50: <10,000 mg/l (algae)

Component 15520-10-2: No data

Component 68605-86-7: No data

Components 68953-36-6 & 68298-14-6: No data

Component 98-54-4:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 5.14 mg/l - 96.0 h.

Toxicity to daphnia and other aquatic invertebrate EC50 - Daphnia magna (Water flea) - 3.9 mg/l - 48 h.

Persistence & degradability:

Component 1477-55-0: Biodegradability Biotic/Aerobic Result: 0.40 % - Not readily biodegradable.

Component 67762-90-7: No data

Component 15520-10-2: No data

Component 68605-86-7: No data

Components 68953-36-6 & 68298-14-6: No data

Component 98-54-4: No data

Bioaccumulative potential:

Component 1477-55-0: No data.

Component 67762-90-7: Not expected to bioaccumulate.

Component 15520-10-2: No data.

Component 68605-86-7: No data

Components 68953-36-6 & 68298-14-6: No data

Component 98-54-4: Bioaccumulation *Leuciscus idus melanotus* - 3 d - 46 µg/l

Bioconcentration factor (BCF): 120

Mobility in soil:

Component 1477-55-0: No data

Component 67762-90-7: No data

Component 15520-10-2: No data

Component 68605-86-7: No data

Components 68953-36-6 & 68298-14-6: No data

Component 98-54-4: No data

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

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DISPOSAL CONSIDERATIONS

Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

Liquids can not be disposed of in a landfill.

Contaminated packaging: Dispose of as unused product.

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14 TRANSPORT INFORMATION

UN3066, Paint or Paint related material, 8, PGI

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Fatty acids, tall-oil, polymers with linoleic acid dimers and tetraethylenepentamine (68605-86-7) [49%] TSCA

Fatty acids, tall-oil, reaction products with tetraethylenepentamine (68953-36-6) [27%] TSCA

3,6,9,12-Tetraazaheneicosan-21-amide, 1-amino-N-[2-[[2-[[2-[(2-aminoethyl)amino]ethyl]amino]ethyl]amino]ethyl]-13-(1-hydroxyonyl)- (68298-14-6) [9%] TSCA

Siloxanes and Silicones, di-Me, reaction products with silica (67762-90-7) [7%] TSCA

Phenol, 4-(1,1-dimethylethyl)- (98-54-4) [4%] TSCA

1,3-Benzenedimethanamine (1477-55-0) [2%] MASS, OSHAWAC, PA, TSCA, TXAIR

1,5-Pentanediamine, 2-methyl- (15520-10-2) [1%] TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act
 MASS = MA Massachusetts Hazardous Substances List
 OSHAWAC = OSHA Workplace Air Contaminants
 PA = PA Right-To-Know List of Hazardous Substances
 TXAIR = TX Air Contaminants with Health Effects Screening Level

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.