

Wearcoat 1020 Part A

1 **PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: Wearcoat 1020 Part A
Common Name: Epoxy Resin
SDS Number: I13
Revision Date: 5/27/2015
Supplier Details: Coatings For Industry, Inc.
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Souderton, PA 18964

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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 or skin sensitization, 1 Skin
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Single exposure, 3
Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Inhalation
Health, Acute toxicity, 4 Oral
Environmental, Hazards to the aquatic environment - Acute, 2
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

**GHS Hazard Statements:**

H317 - May cause an allergic skin reaction
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H302 - Harmful if swallowed
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P233 - Keep container tightly closed.
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.

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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.
 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.
 P332+313 - If skin irritation occurs: Get medical advice/attention.

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

Inhalation: Moderately irritating if inhaled. No more than slightly toxic if inhaled.
Skin Contact: Moderate irritant. May cause skin sensitization (rashes, hives).
Eye Contact: Moderate to severe irritant.

3 COMPOSITION/INFORMATION ON INGREDIENTS**Ingredients:**

Cas#	%	Chemical Name
25068-38-6	10.8%	Reaction product: Bisphenol A-(epichlorohydrin); epoxy resin (molecular weight <700)
28064-14-4	3.3%	Phenol, polymer with formaldehyde, glycidyl ether
107-98-2	2.7%	1-Methoxy-2-propanol
100-51-6	1.1%	Benzyl alcohol

4 FIRST AID MEASURES

Inhalation: Remove patient to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms persist.
Skin Contact: Immediately remove contaminated clothing and excess contaminant. Flush skin with water. Wash thoroughly with soap and warm water. Consult a physician if irritation develops.
Eye Contact: Flush eye with clean water for at least 15 minutes while gently holding eyelids open. Get immediate medical attention.
Ingestion: Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

5 FIRE FIGHTING MEASURES

Flash Point: >200F
Flash Point Method: TCC
 Extinguishing Media: Water spray, foam, dry chemical, or carbon dioxide.

Special Firefighting Procedures - Material will not burn unless preheated. Do not enter confined space without full bunker gear. Firefighters should wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water.

Unusual fire and explosion hazards - Heat may rupture closed containers.

Hazardous products of combustion - Carbon monoxide.

6 ACCIDENTAL RELEASE MEASURES

Spill control - Avoid personal contact. Eliminate ignition sources. Ventilate area.

Containment - Dike, contain and absorb with clay, sand or other suitable material.

Special procedures - Prevent spill from entering drainage/sewer systems, waterways, and surface waters.

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Cleanup - For large spills, pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material and dispose of properly. Flush area with water to remove trace residue.

7 HANDLING AND STORAGE

Handling Precautions: This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to contact skin. Avoid contact with vapors or fumes.
Storage Requirements: Store in a cool, dry, well ventilated place and keep container tightly closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation should be provided to control exposure.
Personal Protective Equipment: Respiratory Protection:
 For operations where inhalation exposure can occur, use an approved respirator recommended by an industrial hygienist after an evaluation of the operation. Where inhalation exposure cannot occur, no respiratory protection is required. A full facepiece respirator also provides eye and face protection. Recommended respirators include those certified by NIOSH.
 Eye Protection:
 Wear eye/face protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.
 Skin Protection:
 Avoid skin contact. Wear impermeable gloves and suitable protective clothing.
 Hand Protection:
 Nitrile or fluorinated rubber gloves. Consider the porosity and elasticity data of the glove manufacturer and the specific conditions in the work place. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed.
 Additional Advice:
 Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

1-Methoxy-2-propanol (107-98-2) [2.7%]

Components with workplace control parameters

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)
 glycol methyl ether
 Central Nervous System impairment
 Eye irritation

STEL 150 ppm (TLV) USA. ACGIH Threshold Limit Values
 Central Nervous System impairment
 Eye irritation

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TWA	100 ppm 360 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
STEL	150 ppm 540 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
TWA	100 ppm 360 mg/m ³	USA. NIOSH Recommended Exposure Limits
ST	150 ppm 540 mg/m ³	USA. NIOSH Recommended Exposure Limits

Benzyl alcohol (100-51-6) [1.1%]

Components with workplace control parameters

TWA	10 ppm	USA. Workplace Environmental Exposure Levels (WEEL)
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9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Milky white	Odor:	Slight
Physical State:	Liquid	Solubility:	Miscible in water
Spec Grav./Density:	1.2	Percent Volatile:	53

10	STABILITY AND REACTIVITY
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Stability:	This product is stable.
Conditions to Avoid:	Do not expose to extreme temperatures.
Materials to Avoid:	Strong oxidizers, acids, bases, and epoxy hardeners under uncontrolled conditions.
Hazardous Decomposition:	None known.
Hazardous Polymerization:	Will not occur.

11	TOXICOLOGICAL INFORMATION
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Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane (25068-38-6) [10.8%]

Information on toxicological effects

Acute toxicity:

Oral LD50 Oral - rat - 13,600 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Dyspnea. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

Inhalation LC50 no data available

Dermal LD50

Other information on acute toxicity

Respiratory or skin sensitization: May cause sensitization by skin contact.

Genotoxicity in vitro - Ames test - positive

Carcinogenicity:

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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.

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Synergistic effects: no data available

Additional Information:

RTECS: KC2100000

1-Methoxy-2-propanol (107-98-2) [2.7%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - mouse - 11,700 mg/kg Remarks: Behavioral:Convulsions or effect on seizure threshold. Behavioral:Ataxia. Lungs, Thorax, or Respiration:Dyspnea.

LC50 Inhalation - rat - 5 h - 10000 ppm

LD50 Dermal - rabbit - 13,000 mg/kg

no data available

Skin corrosion/irritation: Skin - rabbit Result: Open irritation test

Serious eye damage/eye irritation: Eyes - rabbit Result: Mild eye irritation - 24 h

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.

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: UB7700000

Benzyl alcohol (100-51-6) [1.1%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 1,230 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Excitement. Behavioral:Coma.

Inhalation: no data available

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LD50 Dermal - rabbit - 2,000 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: Irritating to skin. - 24 h

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.

Additional Information:

RTECS: DN3150000

Central nervous system depression

Liver - Irregularities - Based on Human Evidence

12**ECOLOGICAL INFORMATION**

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane (25068-38-6) [10.8%]

Persistence and degradability: Biodegradability Result: - According to the results of tests of biodegradability this product is not readily biodegradable. Remarks: no data available

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

Toxic to aquatic life with long lasting effects.

Benzyl alcohol (100-51-6) [1.1%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 10 mg/l - 96 h.

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 55 mg/l - 24 h.

other aquatic invertebrates

Persistence and degradability: Biodegradability Biotic/Aerobic - Exposure time 28 d Result: 92 - 96 % - Readily biodegradable.

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.

Toxic to aquatic life.

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13	DISPOSAL CONSIDERATIONS
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Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with all federal, state and local regulations.

Contaminated packaging: Dispose of as unused product.

14	TRANSPORT INFORMATION
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Non-regulated for transportation

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

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane (25068-38-6) [11%] TSCA

Phenol, polymer with formaldehyde, glycidyl ether (28064-14-4) [3.3%] TSCA

1-Methoxy-2-propanol (107-98-2) [2.7%] HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

Benzyl alcohol (100-51-6) [1.1%] HAP, MASS, PA, TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act
HAP = Hazardous Air Pollutants
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
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NOTICE : This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is express 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.