

PRODUCT NAME: ABRO Steel
PRODUCT NUMBER/SIZE: AS-224-R / 2 oz.

Rev Date: 12/03/2014

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.

ADDRESS: 3580 Blackthorn Court
South Bend, IN 46628
USA

PRODUCT DESCRIPTION: Epoxy Putty

COMPANY PHONE: 574-232-8289

EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2 Hazards Identification

Classification:

Skin corrosion/irritation Category 2 H315
Eye irritation Category 2B H320
STOT (SE) Category 3 H335
Acute toxicity (O) Category 4 H302
Carcinogenicity Category 1A H350

Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Causes skin irritation. Causes eye irritation. May cause respiratory irritation. Harmful if swallowed. May cause cancer.

Precautionary Phrases: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, face protection. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN:

Remove/Take off immediately all contaminated clothing and gently wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

Storage / Disposal: Store locked up. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Other: Keep out of reach of children.

SECTION 3 Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight	Classification (GHS-US)
Talc	14807-96-6	39.954-66.59	Not classified
2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer	25085-99-8	10-30	Not classified
GMP-800	Trade Secret	10-30	Not classified
Dolomite	16389-88-1	3.3295-6.659	Not classified
Magnesium Carbonate	546-93-0	0.6659-3.3295	Not classified
Quartz	14808-60-7	0.6659-3.3295	Acute Tox. 4 (Oral), H302 Carc. 1A, H350
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	> 1.5675	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315
Electronic grade resin	28064-14-4	1 - 5	Not classified
Iron(III) oxide	1309-37-1	1 - 5	Not classified
Epoxy White	025085-99-8	< 1	Not classified
dmp-30		< 0.0825	Not classified
Carbon black	1333-86-4	< 0.0389702	Carc. 2, H351
Silicon, crystalline	7440-21-3	< 0.0186	Not classified
Chromium	7440-47-3	< 0.0124	Not classified
Manganese	7439-96-5	< 0.01178	Not classified

SECTION 4 First Aid Measures

4.1. Description of first aid measures

First-aid measures general:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation:	Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries:	Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Symptoms/injuries after inhalation:	May cause cancer by inhalation.
Symptoms/injuries after skin contact:	May cause slight irritation.
Symptoms/injuries after eye contact:	May cause slight eye irritation.

Symptoms/injuries after ingestion: May be harmful if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5
Fire Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6
Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources.

6.1.1. For non-emergency personnel

Protective equipment: Safety glasses. Gloves.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment: Keep in tubing if not used.
Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7 Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions. Do not handle until all safety precautions have been read and understood.

Hygiene measures:

Do not eat, drink or smoke when using this product. Wash affected areas thoroughly after handling. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:

Comply with applicable regulations.

Storage conditions:

Keep only in the original container in a cool, well ventilated place away from: Keep container closed when not in use.

Incompatible products:

Strong bases. Strong acids.

Incompatible materials:

Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Follow Label Directions.

SECTION 8 Exposure Controls/Personal Protection

8.1. Control parameters

Carbon black (1333-86-4)

USA ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³
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Iron (III) oxide (1309-37-1)

USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
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Manganese (7439-96-5)

USA ACGIH	ACGIH TWA (mg/m ³)	0.1 mg/m ³
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Chromium (7440-47-3)

USA ACGIH	ACGIH TWA (mg/m ³)	0.5 mg/m ³
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Talc (14807-96-6)

USA ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	2 mg/m ³

Dolomite (16389-88-1)

USA ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³
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Magnesium carbonate (546-93-0)

USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
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Quartz (14808-60-7)

USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	0.1 mg/m ³

8.2. Exposure controls

Appropriate engineering controls:	Local exhaust ventilation, vent hoods.
Personal protective equipment:	Avoid all unnecessary exposure. Gloves. Safety glasses.
Hand protection:	Wear protective gloves.
Eye protection:	Chemical goggles or safety glasses.
Skin and body protection:	Wear suitable protective clothing.
Respiratory protection:	Wear appropriate mask.
Other information:	Do not eat, drink or smoke during use.

SECTION 9 Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Cylindrical putty stick.
Color:	Gray.
Odor:	Pungent.
Odor threshold:	No data available
pH:	No data available
Relative evaporation rate (butyl acetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	> 100 °C
Flash point:	> 100 °C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	No data available
Relative vapor density at 20 °C:	No data available
Relative density:	1.7
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Explosive limits:	No data available

9.2. Other information

No additional information available

SECTION 10 Stability and Reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Toxic fume. Carbon monoxide. Carbon dioxide.

SECTION 11
Toxicological Information

11.1. Information on toxicological effects

Acute toxicity: Not classified

GMP-800 (Trade Secret)

LD50 oral rat 2.6 g/kg
LD50 dermal rabbit > 10.2 g/kg

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

LD50 oral rat 1200 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 2169 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat > 2000 mg/kg (Rat; Literature study; Other; >1 ml/kg; Rat; Experimental value)

Carbon black (1333-86-4)

LD50 oral rat > 8000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit > 3000 mg/kg (Rabbit)

2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer (25085-99-8)

LD50 oral rat > 5000 mg/kg (Rat)
LD50 dermal rabbit > 20000 mg/kg (Rabbit)

Electronic grade resin (28064-14-4)

LD50 oral rat 4000 mg/kg

Iron (III) oxide (1309-37-1)

LD50 oral rat > 5000 mg/kg (Rat; Literature study)

Manganese (7439-96-5)

LD50 oral rat 9000 mg/kg (Rat)

Silicon, crystalline (7440-21-3)

LD50 oral rat > 3160 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >5000 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit > 5000 mg/kg body weight (Rabbit; Weight of evidence)

Quartz (14808-60-7)

LD50 oral rat 500 mg/kg

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified

Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	May cause cancer.

Carbon black (1333-86-4)
IARC group 2B

Iron (III) oxide (1309-37-1)
IARC group 3

Chromium (7440-47-3)
IARC group 3

Talc (14807-96-6)
IARC group 3

Quartz (14808-60-7)
IARC group 1

Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Specific target organ toxicity (repeated exposure):	Not classified
Aspiration hazard:	Not classified
Potential Adverse human health effects and symptoms:	Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation:	May cause cancer by inhalation.
Symptoms/injuries after skin contact:	May cause slight irritation.
Symptoms/injuries after eye contact:	May cause slight eye irritation.
Symptoms/injuries after ingestion:	May be harmful if swallowed and enters airways.

SECTION 12 Ecological Information

12.1. Toxicity

GMP-800 (Trade Secret)

LC50 fish 1 > 100 mg/l

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

LC50 fish 1 > 100 mg/l (96 h; Pisces; Nominal concentration)
 EC50 Daphnia 1 10 - 100 mg/l (Invertebrata; Estimated value)
 LC50 fish 2 70.9 mg/l (96 h; Pisces)
 Threshold limit algae 1 10 - 100,Algae
 Threshold limit algae 2 84 mg/l (72 h; Scenedesmus subspicatus; Growth rate)

Dmp-30

LC50 fish 1 175 mg/l (96 Hours; CYPRINUS CARPIO; FRESH WATER)
 LC50 other aquatic organisms 1 750 - 1000 mg/l (96 Hours; BRACHYURA; FRESH WATER)
 LC50 fish 2 180 - 240 mg/l (96 Hours; SALMO GAIRDNERI/ ONCORHYNCHUS MYKISS; FRESH WATER)
 LC50 other aquatic organisms 2 718 mg/l (96 Hours; PALAEMONETES SP.; FRESH WATER)

Carbon black (1333-86-4)

LC50 fish 1 > 1000 mg/l (96 h; Brachydanio rerio)
EC50 Daphnia 1 > 5600 mg/l (24 h; Daphnia magna)

2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer (25085-99-8)

LC50 fish 1 3.1 mg/l 96 Hours Freshwater Fish (Pimephales promelas)
EC50 Daphnia 1 1.4 mg/l 48 Hours

Iron (III) oxide (1309-37-1)

LC50 fish 1 > 1000 mg/l (48 h; Leuciscus idus; Nominal concentration)

Talc (14807-96-6)

LC50 fish 1 > 100 g/l (24 h; Brachydanio rerio; intermittent flow)

12.2. Persistence and degradability

ABRO Steel

Persistence and degradability: Not established.

GMP-800 (Trade Secret)

Persistence and degradability: Not established.

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

Persistence and degradability: Not readily biodegradable in water. Highly mobile in soil. Low potential for adsorption in soil.

Dmp-30

Persistence and degradability: Biodegradability in soil: no data available.

Carbon black (1333-86-4)

Persistence and degradability: Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.

Biochemical oxygen demand (BOD): Not applicable

Chemical oxygen demand (COD): Not applicable

ThOD: Not applicable

BOD (% of ThOD): Not applicable

2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer (25085-99-8)

Persistence and degradability: Not established.

Electronic grade resin (28064-14-4)

Persistence and degradability: Biodegradability in soil: no data available.

Epoxy White (025085-99-8)

Persistence and degradability: Not established.

Iron (III) oxide (1309-37-1)

Persistence and degradability: Biodegradability: not applicable. Adsorbs into the soil.

Biochemical oxygen demand (BOD): Not applicable

Chemical oxygen demand (COD): Not applicable
ThOD: Not applicable
BOD (% of ThOD): Not applicable

Manganese (7439-96-5)

Persistence and degradability: Biodegradability: not applicable. Adsorbs into the soil.
Biochemical oxygen demand (BOD): Not applicable
Chemical oxygen demand (COD): Not applicable
ThOD: Not applicable
BOD (% of ThOD): Not applicable

Silicon, crystalline (7440-21-3)

Persistence and degradability: Not established.
Biochemical oxygen demand (BOD): Not applicable
Chemical oxygen demand (COD): Not applicable
ThOD: Not applicable
BOD (% of ThOD): Not applicable

Chromium (7440-47-3)

Persistence and degradability: Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.
Biochemical oxygen demand (BOD): Not applicable
Chemical oxygen demand (COD): Not applicable
ThOD: Not applicable
BOD (% of ThOD): Not applicable

Talc (14807-96-6)

Persistence and degradability: Biodegradability: not applicable.
Biochemical oxygen demand (BOD): Not applicable
Chemical oxygen demand (COD): Not applicable
ThOD: Not applicable
BOD (% of ThOD): Not applicable

Dolomite (16389-88-1)

Persistence and degradability: Biodegradability: not applicable.
Biochemical oxygen demand (BOD): Not applicable
Chemical oxygen demand (COD): Not applicable
ThOD: Not applicable
BOD (% of ThOD): Not applicable

Magnesium carbonate (546-93-0)

Persistence and degradability: Biodegradability: not applicable.
Biochemical oxygen demand (BOD): Not applicable
Chemical oxygen demand (COD): Not applicable
ThOD: Not applicable
BOD (% of ThOD): Not applicable

Quartz (14808-60-7)

Persistence and degradability:	Biodegradability: not applicable.
Biochemical oxygen demand (BOD):	Not applicable
Chemical oxygen demand (COD):	Not applicable
ThOD:	Not applicable
BOD (% of ThOD):	Not applicable

12.3. Bioaccumulative potential

ABRO Steel

Bio accumulative potential:	Not established.
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GMP-800 (Trade Secret)

Bio accumulative potential:	Not established.
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2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

Log Pow	0.77 (Literature; 0.219; Experimental value; Equivalent or similar to OECD 107; 21.5 °C)
Bio accumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Dmp-30

Bio accumulative potential	No bioaccumulation data available.
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Carbon black (1333-86-4)

Bio accumulative potential	Not bio accumulative.
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2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer (25085-99-8)

Bio accumulative potential	Not established.
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Electronic grade resin (28064-14-4)

Bio accumulative potential	No bioaccumulation data available.
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Epoxy White (025085-99-8)

Bio accumulative potential	Not established.
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Iron (III) oxide (1309-37-1)

Bio accumulative potential	No bioaccumulation data available.
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Manganese (7439-96-5)

BCF fish 1	81 (Pisces)
BCF other aquatic organisms 1	300000 (Mollusca)
BCF other aquatic organisms 2	125000 (Crustacea)
Bio accumulative potential	Not established.

Silicon, crystalline (7440-21-3)

Bio accumulative potential	Not established.
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Chromium (7440-47-3)

BCF fish 1	0.0048 (Pisces; Dry weight)
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BCF other aquatic organisms 1 0.443 (Lamellibranchiata; Dry weight)
Bio accumulative potential Bioaccumable.

Talc (14807-96-6)

Bio accumulative potential Not established.

Dolomite (16389-88-1)

Bio accumulative potential No bioaccumulation data available.

Magnesium carbonate (546-93-0)

Bio accumulative potential No bioaccumulation data available.

Quartz (14808-60-7)

Log Pow Not applicable
Bio accumulative potential No bioaccumulation data available.

12.4. Mobility in soil

Carbon black (1333-86-4)

Ecology - soil Not toxic to plants. Not toxic to animals.

Silicon, crystalline (7440-21-3)

Surface tension 0.74 N/m (1410 °C)

12.5. Other adverse effects

Other information: Avoid release to the environment.

**SECTION 13
Disposal Considerations**

13.1. Waste treatment methods

Waste disposal recommendations: Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Ecology - waste materials: Avoid release to the environment.

**SECTION 14
Transport Information**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:

Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

IMO/IMDG UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

ICAO/IATA UN/ID Number: Not Regulated
Proper shipping name:
Hazard Class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

Canada (TDG) UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

SECTION 15 Regulatory Information

15.1. US Federal regulations

ABRO Steel

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

GMP-800 (Trade Secret)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer (25085-99-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

Electronic grade resin (28064-14-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

Epoxy White (025085-99-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

GMP-800 (Trade Secret)

Listed on the Canadian DSL (Domestic Substances List)

2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer (25085-99-8)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision B - Toxic material
causing other toxic effects

Electronic grade resin (28064-14-4)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision B - Toxic material
causing other toxic effects

EU-Regulations

GMP-800 (Trade Secret)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer (25085-99-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Electronic grade resin (28064-14-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.1; R49

R43

R52/53

Full text of R-phrases: see section 16

15.2.2. National regulations

GMP-800 (Trade Secret)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on AICS (Australian Inventory of Chemical Substances)

Listed on the Korean ECL (Existing Chemicals List)

2,2-bis-[4-(2,3-epoxypropoxy)phenyl]propane, polymer (25085-99-8)

Listed on AICS (Australian Inventory of Chemical Substances)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on NZIoC (New Zealand Inventory of Chemicals)

Electronic grade resin (28064-14-4)

Listed on the Korean ECL (Existing Chemicals List)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on AICS (Australian Inventory of Chemical Substances)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

15.3. US State regulations

No additional information available

SECTION 16
Other Information

Other information: None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral) Acute toxicity (oral) Category 4

Carc. 1A Carcinogenicity Category 1A

Carc. 2 Carcinogenicity Category 2

Skin Irrit. 2 Skin corrosion/irritation Category 2

H302 Harmful if swallowed

H315 Causes skin irritation

H350 May cause cancer

H351 Suspected of causing cancer

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard: 0 - Materials that will not burn.
NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability: 0 Minimal Hazard
Physical: 0 Minimal Hazard
Personal Protection: B

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable