SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

HarperScientific
Division of Harper Corporation of America
11625 Steele Creek Rd Charlotte NC 28273

EMERGENCIES: 1-800-535-5053
OUTSIDE THE U.S.:1-352-323-3500

GHS Identifier: **ChipFix™**
Synonyms: Sealants and Adhesives
Uses: Industrial Applications. Coating. Paints. Painting-Related Material
Rev. Date 2020.12.21

SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS Status: Considered hazardous by the OSHA Hazard Communication standard (29 CFR 1910.1200).

Classification of Substance / Mixture:

Skin Irritation	Category 2
Eye Irritation	Category 2A
Skin Sensitization	Category 1
Carcinogenicity	Category 1A
Specific Target Organ Toxicity (Single Exposure) (Respiratory Tract Irritation)	Category 3

Signal Word: **Danger**

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity:
41.8% Oral, 62.2% Dermal, 94.5% Inhalation

Hazard Statements: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
May cause cancer.

Precautionary Statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response: **If exposed or concerned:** Get medical advice or attention.

Inhalation: Remove person to fresh air and comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.

Skin Contact: Wash with plenty of water. If skin irritation or rash occurs, get medical advice or attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Storage: Store locked up and in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental: Standing and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to the dust from sanding surfaces or mist from spray applications. Emits toxic fumes when heated.

HAZARD RATING SYSTEM	HMIS	NFPA
HEALTH	2	2
FLAMMABILITY	0	0
REACTIVITY	2	2
SPECIAL		

Key: **4 = SEVERE**
3 = SERIOUS
2 = MODERATE
1 = SLIGHT
0 = MINIMAL

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredient Name	% Percent	CAS #
Talc, not containing asbestiform fibres	≥20 - ≤ 50	14807-96-6
Ferrosilicon	≥10 - ≤ 20	8049-17-0
Glass, oxide, chemicals	≥10 - ≤ 20	65997-17-3
Poly[oxy(methyl-1,2-ethaneldiyl)], a-hydro-ω-hydroxy-, ether with 2, 2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether	≥ 5 - ≤ 10	72244-98-5
Epoxy resin (MW ≤ 700)	≥ 5 - ≤10	25068-38-6
Bis-[4-2,3-epoxipropoxi)phenyl]propane	≥ 5 - ≤10	1675-54-3
Crystalline silica, respirable powder (<10 microns)	<1.0	14808-60-7

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence required reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: FIRST AID MEASURES

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Eye Contact: Remove contact lenses, irrigate copiously with clean, fresh, water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Inhalation: Remove to fresh air. Keep persons warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin Contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Potential Acute Health Effects:

Eye Contact: Causes serious eye irritation.
Inhalation: May cause respiratory irritation.
Skin Contact: Causes skin irritation. May cause an allergic skin reaction.
Ingestion: No known significant effects or critical hazards.

Overexposure Signs/Symptoms:

Eye Contact: Adverse symptoms may include: Pain or irritation, watering, redness.
Inhalation: Adverse symptoms may include: Respiratory tract irritation, coughing.
Skin Contact: Adverse symptoms may include: Irritation, redness.
Ingestion: No specific data.

Indication of Immediate Medical attention and Special Treatment Needed, If Necessary.

Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection of First Aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing Media:

Suitable Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Media: None known

Specific Hazards Arising from the Chemical: No specific fire or explosion hazard.

Hazardous Thermal Decomposition Products: Decomposition products may include the following materials: Carbon oxides, sulfur oxides halogenated compounds, metal oxide/oxides.

Special Protective Actions for Fire Fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special Protective Equipment for Fire Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Non-Emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is adequate. Put on appropriate personal protective equipment.

Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel.

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and Materials for Containment and Cleaning Up

Small Spill: Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust With equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large Spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and placed in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING & STORAGE

Protective Measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure – obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special Precautions: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all its parts.

General Occupational Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Storage: Do not store above the following temperature: 5°C (41°F). Store in accordance with local regulations Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials (see Section 10) and food and drink. Store

locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Ingredient / Component	Exposure Limits #
Talc, not containing asbestiform fibres	**ACGIH TLV (United States, 3/2019).** TWA: 2 mg/m³ 8 hours. Form: Respirable **OSHA PEL Z3 (United States).** TWA: 2 mg/m³
Ferrosilicon	**OSHA PEL (United States).** TWA: 15 mg/m³ (Total dust)
Glass, oxide, chemicals	**OSHA PEL (United States).** TWA: 15 mg/m³ TWA: 5 mg/m³ Form: Respirable TWA: 15 mg/m³ Form: Total dust **ACGIH TLV (United States).** TWA: 1 f/cc Form: Continuous filament glass fibers TWA: 5 mg/m³, (Inhalable) Form: Continuous filament glass fibers TWA: 3 mg/m³ Form: Respirable TWA: 10 mg/m³ Form: Total dust **ACGHI TLV (United States, 3/2019)** TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction TWA: 1 f/cc 8 hours. Form: Respirable fibers: length greater than 5 uM; aspect ratio equal to or greater than 3:1 as determined by the membrane filter method at 400-450x magnification (4-mm objective) phase contrast illumination.
Poly [oxy(methyl-1,2-ethanedyl)], a-hydro-w-hydroxy-, ether with 2, 2-bis(hydroxymethyl)- 1,3-propanediol (4:1), 2-hydroxy-3-mercaptorpropyl ether	None.
Epoxy resin (MW ≤ 700)	None.
bis-[4-(2,3-epoxipropoxi) phenyl] propane	None.
crystalline silica, respirable powder (< 10 microns)	**ACGIH TLV (United States, 3/2019).** TWA: 0.025 mg/m³ 8 hours. Form: Respirable **OSHA PEL Z3 (United States, 6/2016).** TWA: 10 mg/m³ / (%SiO2+2) 8 hours. Form: Respirable TWA: 250 mppcf / (%SiO2+5) 8 hours. Form: Respirable **OSHA PEL (United States, 5/2018).** TWA: 50 µg/m³ 8 hours. Form: Respirable dust

Key to Abbreviations

A = Acceptable Maximum Peak
ACGHI = American Conference of Governmental Industrial Hygienists
C = Ceiling Limit
F = Fume
IPEL = Internal Permissible Exposure Limit
OSHA = Occupational Safety and Health Administration.
R = Respirable
Z = OSHA 29 CFR 1910.1200 Subpart Z- Toxic and Hazardous Substances
S = Potential Skin Absorption
SR = Respiratory Sensitization
SS = Skin Sensitization
STEL = Short Term Exposure Limit Values
TD = Total Dust
TLV = Threshold Limit Value
TWA = Time Weighted Average

Consult local authorities for acceptable exposure limits.

Recommended Monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace, atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate Engineering Controls: Use only with adequate ventilation. If user operation generates dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual Protection Measures

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation locations.

Eye/Face Protection: Chemical Splash goggles.

Skin Protection: **Hand Protection:** 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to break through for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves: Butyl rubber
Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Respirator selection must be based on known or anticipated exposure levels, the Hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid.
Color:	Black. Gray.
Odor:	Pungent. Sulfurous. [Strong]
Odor Threshold:	Not Available.
pH:	Not Available.
Melting Point:	Not Available
Boiling Point:	Not Available.
Flash Point:	Closed Cup: Not Applicable.
Auto-Ignition Temperature:	Not Available.
Decomposition temperature:	Not Available
Flammability (solid, gas):	Not Available
Upper/Lower Flammability Limits:	Not Available.
Evaporation Rate:	Not Applicable
Vapor Pressure:	Not available
Vapor Density (Air = 1):	Not available
Relative Density:	2.25
Density:	18.78 lbs/gal
Solubility:	Insoluble in the following materials: Cold water.
Partition Coefficient: **n-Octanol/Water:**	Not available
Viscosity:	Kinematic (40°C (104 °F)): Not Applicable.
Volatility:	0% (v/v), 0% (w/w)
% Solid. (w/w):	100

SECTION 10: REACTIVITY DATA

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability:	The product is stable.
Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in Section 7 and 8.
Incompatible Materials:	Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, and strong acids.
Hazardous Decomposition Products:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Product / Ingredient	Result	Species	Dose	Exposure
Ferrosilicon	LD50 Dermal	Rabbit	>20 g/kg	-
Epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	>2 g/kg	-
bis-[4-(2,3-epoxipropoxi) phenyl] propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-

Conclusion/Summary : There are no data available on the mixture itself.

Irritation/Corrosion

Product / Ingredient	Result	Species	Score	Exposure	Observation
Epoxy resin (MW ≤ 700)	Skin – Mild irritant	Rabbit	-	-	-
	Eyes – Mild irritant	Rabbit	-	-	-
bis-[4-(2,3-epoxipropoxi) phenyl] propane	Eyes – Redness of the Conjunctivae	Rabbit	0.4	24 hours	-
	Mild irritant	Rabbit	-	24 hours	-
	Skin – Erythema/Eschar	Rabbit	0.8	4 hours	-
	Edema	Rabbit	0.5	4 hours	-
	Mild irritant	Rabbit	-	4 hours	-

Conclusion/Summary: There are no data available on the mixture itself.

Sensitization

Product / Ingredient	Route of Exposure	Species	Result
Epoxy resin (MW≤ 700)	Skin	Mouse	Sensitizing
bis-[4-(2,3-epoxipropoxi) phenyl] propane	Skin	Mouse	Sensitizing

Conclusion/Summary: There are no data available on the mixture itself.

Classification

Product / Ingredient	OSHA	IARC	NTP
Glass, oxide, chemicals	-	3	-
bis-[4-(2,3-epoxipropoxi) phenyl] propane	-	3	-
Crystalline silica, respirable powder (< 10 microns)	-	1	Known to be a human carcinogen.

Conclusion/Summary: There are no data available on the mixture itself.

Carcinogen Classification Code:

IARC: 1, 2A, 2B, 3, 4
NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen
OSHA: + **Not listed/not regulated:** -

Specific Target Organ Toxicity (Single Exposure)

Name	Category	Route of Exposure	Target Organs
Talc, not containing asbestiform fibers	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (Repeated Exposure)

Name	Category	Route of Exposure	Target Organs
Crystalline silica, respirable powder (<10 microns)	Category 1	inhalation	-

Target Organs: Contains material which may cause damage to the following organs: lungs, cardiovascular system, upper respiratory tract, skin eyes.

Aspiration Hazard: Not available.

Potential Acute Health Effects:

Eye Contact: Causes serious eye irritation.
Inhalation: May cause respiratory irritation.
Skin Contact: Causes skin irritation. May cause an allergic skin reaction.
Ingestion: No known significant effects or critical hazards.

Over-Exposure Signs/Symptoms May Include:

Eye Contact: Pain or irritation, watering, redness
Inhalation: Respiratory tract irritation, coughing.
Skin Contact: Irritation, redness
Ingestion: No specific data.

Short & Long-Term Exposure:

Conclusion/Summary: There are no data available on the mixture itself. This product contains crystalline silica which can cause cancer lung cancer or silicosis. This risk of the cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Ingestion may cause nausea, diarrhea and vomiting. This takes into account where known, delayed and immediate effects are also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short Term Exposure-- Potential Immediate Effects: There are not data available on the mixture itself.
Potential Delayed Effects: There are no data available on the mixture itself.

Long Term Exposure-- Potential Immediate Effects: There are no data available on the mixture itself.
Potential Delayed Effects: There are no data available on the mixture itself.

Potential Chronic Health Effects:

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity: May cause cancer, Risk of cancer depends on duration and level of exposure.
Mutagenicity: No known significant effects or critical hazards.
Reproductive toxicity: No known significant effects or critical hazards.

Acute Toxicity Estimates

Product / Ingredient	Oral (mg/kg)	Dermal (mg/kg)	Inhalation Gases (ppm)	Inhalation Vapors (mg/l)	Inhalation Dusts & Mist (mg/l)
ChipFix – 24/CT	19472.5	12622.9	N/A	N/A	N/A
EPOXY resin (MW ≤ 700)	2500	2500	N/A	N/A	N/A
bis-[4-(2,3-epoxyipropoxi)phenyl]propane	15000	23000	N/A	N/A	N/A

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product / Ingredient	Result	Species	Exposure
Epoxy resin (MW ≤ 700)	Acute LC50 1.8 mg/l	Daphnia	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
bis-[4-(2,3-epoxyipropoxi)phenyl]propane	Acute LC50 1.8 mg/l fresh water	Daphnia – daphnia magna	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days

Persistence and Degradability

Product / Ingredient	Test	Result	Dose	Inoculum
Epoxy resin (MW ≤ 700)	OECD 301F	5% - 28 days	-	-

Product / Ingredient	Aquatic Half-Life	Photolysis	Biodegradability
Epoxy resin (MW ≤ 700)	-	-	Not Readily
bis-[4-(2,3-epoxyipropoxi)phenyl	-	-	Not Readily

Bioaccumulative Potential

Product / Ingredient	$LogP_{ow}$	BCF	Potential
Epoxy resin (MW ≤ 700)	3	31	low

Soil / Water Partition Coefficient (K_{OC}): Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Must be disposed of in accordance with federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

	DOT	IMDG	IATA
UN Number	Not regulated.	Not regulated.	Not regulated.
UN Proper Shipping Name	-	-	-
Transport Hazard Class(es)	-	-	-
Packaging Group	-	-	-
Environmental Hazards	No.	No.	No.
Marine Pollutant Substances	Not applicable.	Not applicable.	Not applicable.
Additional Information	Non identified.	Non identified.	Non identified.

Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in Bulk According to IMO instruments: Not applicable.

SECTION 15: REGULATORY INFORMATION

TSCA: All components are active or exempted.

SARA TITLE 3

304: Not applicable.

311/312 Hazard Categories: Eye Irritation – Category 2A
Skin Sensitization – Category 1
Carcinogenicity – Category 1A
Specific Target Organ Toxicity (Single Exposure): Respiratory Tract Irritation – Category 3

Ingredient	%	Classification
Talc, not containing asbestiform fibres	≥20 - ≤ 50	TARGET ORGAN TOXICITY (SINGLE EXPOSURE) Respiratory tract irritation – Category 3
Poly{oxy(methyl-1,2-ethanediyl)],a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propenediol (4:1), 2-hydroxy-3-mercatopropyl ether	≥5.0 - ≤ 10	SKIN SENSITIZATION – Category 1B
Epoxy resin (MW ≤ 700)	≥5.0 - ≤ 10	SKIN IRRITATION – Category 2 EYE IRRITATION – Category 2A SKIN SENSITIZATION – Category 1B
Bis-[4-(2,3-epoxipropoxi)phenyl] propane	≥5.0 - ≤ 10	SKIN IRRITTAION – Category 2 EYE IRRITIATION – Category 2A SKIN SENSITIZTION – Category 1B CARCINOGENICITY – Category 1A
Crystalline silica, respirable powder (<10 microns)	<1.0	TARGET ORGAN TOXICITY (REPEAT EXPOSURE) – Category 1

CALIFORNIA PROPOSITION 65 INFORMATION

⚠ **WARNING: Cancer** – www. P65Warnings.ca.gov

SECTION 16: OTHER INFORMATION

Hazardous Material Information System: Health: 2 * Flammability: 0 Physical Hazards: 2

(*) - Chronic effects

Caution: HMIS© ratings are based on a 0-4 rating scale with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated labels are not required on MSDS or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be sued with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark on the American Coatings Association Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association: Health: 2 Flammability: 0 Instability: 2

Abbreviations:
ATE = Acute Toxic Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labeling of Chemicals
IATA = International Air Transport Association
IBC = International Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = Logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = Marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Disclaimer:
The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention the health and safety aspects concerning the products supplied and to recommend precautional measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. NO liability can be accepted for any failure to observe the precautional measures described in this data sheet or for any misuse of the products.

All materials may present unknown hazards and should be used with caution. Final determination of suitability of any material is the sole responsibility of the user.