SAFETY DATA SHEET

INCREDI-BOND® Multi-Purpose Epoxy PART A



Section 1. Identification

Section 2. Hazards identification	
Emergency telephone number (with hours of operation)	: CHEM TEL: (800) 255- 3924 24/7
Supplier's details	 MiTek Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Tel: 800-328-5934 Fax: 952-898-8605
Relevant identified uses of Identified uses	f <u>the substance or mixture and uses advised against</u> :
Product type	: General Purpose Epoxy
Other means of identification	:
GHS product identifier	: INCREDI-BOND® Multi-Purpose Epoxy PART A

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	 SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B AQUATIC HAZARD (LONG-TERM) - Category 2
Carcinogenicity	: This product contains titanium dioxide which IARC has classified as a Group 2B carcinogen (possibly carcinogenic to humans). Evidence is based on sufficient animal testing as a result of long-term inhalation at high concentrations of respirable amounts of titanium dioxide. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of this product will create a possible dust hazard).
GHS label elements	
Hazard pictograms	
Signal word	: Danger



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Hazard statements Precautionary statements	 H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H360 - May damage fertility or the unborn child. H351 - Suspected of causing cancer. H411 - Toxic to aquatic life with long lasting effects.
Prevention	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P273 - Avoid release to the environment. P261 - Avoid breathing dust. P264 - Wash hands thoroughly after handling. P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.
Response	 P391 - Collect spillage. P308 + P313 - IF exposed or concerned: Get medical attention. P304 + P340 + P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. P333 + P313 - If skin irritation or rash occurs: Get medical attention. P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
Storage	: P405 - Store locked up.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Other means of	:	
identification		

Ingredient name	%	CAS number
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	60 - 80	25085-99-8
Proprietary ingredient 1	≥5 - ≤10	-
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl)oxirane	≤15	30499-70-8
Titanium dioxide	1 - 5	13463-67-7

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 concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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



Section 4. First aid measures

Descri	ption of	necessar	y first aid	measures

Eye contact	nedical attention immediately. Call a poison center with plenty of water, occasionally lifting the upper a remove any contact lenses. Continue to rinse for at s must be treated promptly by a physician.	ind lower eyelids. Check for
Inhalation	nedical attention immediately. Call a poison center air and keep at rest in a position comfortable for br s are still present, the rescuer should wear an appre- thing apparatus. If not breathing, if breathing is irreg rs, provide artificial respiration or oxygen by trained erous to the person providing aid to give mouth-to-r nscious, place in recovery position and get medical ben airway. Loosen tight clothing such as a collar, t	eathing. If it is suspected that opriate mask or self-contained gular or if respiratory arrest personnel. It may be mouth resuscitation. If attention immediately. Maintain
Skin contact	nedical attention immediately. Call a poison center ap and water. Wash contaminated clothing thoroug wear gloves. Continue to rinse for at least 20 minu ed promptly by a physician. In the event of any com er exposure. Wash clothing before reuse. Clean sh	with water before removing tes. Chemical burns must be aplaints or symptoms, avoid
Ingestion	nedical attention immediately. Call a poison center water. Remove dentures if any. Remove victim to t ion comfortable for breathing. If material has been on is conscious, give small quantities of water to driv sick as vomiting may be dangerous. Do not induce medical personnel. If vomiting occurs, the head sl not enter the lungs. Chemical burns must be treated or give anything by mouth to an unconscious person very position and get medical attention immediately. en tight clothing such as a collar, tie, belt or waistba	fresh air and keep at rest in a swallowed and the exposed nk. Stop if the exposed person e vomiting unless directed to do hould be kept low so that vomit ed promptly by a physician. If unconscious, place in Maintain an open airway.

Most important symptoms/effects, acute and delayed

Causes serious eye damage.
No known significant effects or critical hazards.
Causes severe burns. May cause an allergic skin reaction.
No known significant effects or critical hazards.
<u>ns</u>
Adverse symptoms may include the following: pain watering redness
Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations



Section 4. First aid measures

Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate med	dical 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-fighting measures

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Extinguishing media		
Suitable extinguishing media	1	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide 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

For 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 inadequate. Put on appropriate personal protective equipment.
For 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".



Section 6. Accidental release measures

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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and materials for containment and cleaning up

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 place 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 and storage

Precautions for safe handling

Protective measures	istory of skin his product is xposure durin nd understoc the environi nly with adeq ontainer or a	riate personal protective equipment (see Section 8). Persons with a sensitization problems should not be employed in any process in which used. Avoid exposure - obtain special instructions before use. Avoid ng pregnancy. Do not handle until all safety precautions have been read d. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release ment. If during normal use the material presents a respiratory hazard, use uate ventilation or wear appropriate respirator. Keep in the original n approved alternative made from a compatible material, kept tightly ot in use. Empty containers retain product residue and can be hazardous.
Advice on general occupational hygiene	andled, store rinking and s	g and smoking should be prohibited in areas where this material is d and processed. Workers should wash hands and face before eating, moking. See also Section 8 for additional information on hygiene emove contaminated clothing and protective equipment before entering
Conditions for safe storage, including any incompatibilities	irect sunlight see Section 1 nd sealed un esealed and I lse appropria	dance with local regulations. Store in original container protected from in a dry, cool and well-ventilated area, away from incompatible materials 0) and food and drink. Store locked up. Keep container tightly closed til ready for use. Containers that have been opened must be carefully kept upright to prevent leakage. Do not store in unlabeled containers. te containment to avoid environmental contamination. See Section 10 for naterials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	None.
Proprietary ingredient 1 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl) oxirane	None.
Titanium dioxide	ACGIH TLV (United States, 3/2017). TWA: 10 mg/m ³ 8 hours. OSHA PEL (United States, 6/2016). TWA: 15 mg/m ³ 8 hours. Form: Total dust



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Section 8. Exposure controls/personal protection

Appropriate engineering controls	 If user operations generate 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.
Individual protection measu	<u>ires</u>
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 location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
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 breakthrough 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.
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	: Based on the hazard and potential for exposure, if required, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance		
Physical state	: Solid. [Paste. Viscous.]	
Color	: White.	
Odor	: Slightly sweet.	
Density	: Not available.	
Odor threshold	: Not available.	
рН	Not available.	
Melting point	: Not available.	
Boiling point	: Not available.	
Flash point	: Not applicable.	
Evaporation rate	: Not available.	
Flammability (solid, gas)	: Not applicable.	



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Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: Not applicable.
Vapor pressure	: Not available.
Vapor density	: Not available.
Specific gravity	: Not available.
Solubility	: Not available.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Flow time (ISO 2431)	: Not available.
Volatile organic compounds	: See section 9 of part B for VOC content.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Proprietary ingredient 1	LD50 Oral	Rat	31 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Proprietary ingredient 1	Skin - Mild irritant	Rabbit	-	500 mg	-

Sensitization

There is no data available.

Mutagenicity

There is no data available.



Section 11. Toxicological information

Carcinogenicity Classification			
Product/ingredient name	OSHA	IARC	NTP
Titanium dioxide	-	2B	-
Reproductive toxicity			
There is no data available.			
<u>Teratogenicity</u>			
There is no data available.			
Specific target organ toxicit	y (single ex	(posure)	
There is no data available.			
Specific target organ toxicit	y (repeated	<u>exposure</u>	
There is no data available.			
Aspiration hazard			
There is no data available.			
Information on the likely routes of exposure	: Dermal	contact. Ey	e contact. Inhalation. Ingestion.
Potential acute health effects	i		
Eye contact	: Causes	serious eye	e damage.
Inhalation	: No knov	vn significaı	nt effects or critical hazards.
Skin contact	: Causes	severe bur	ns. May cause an allergic skin reaction.
Ingestion	: No knov	vn significaı	nt effects or critical hazards.
Symptoms related to the phy	sical, chem	ical and to	xicological characteristics
Eye contact	: Adverse pain watering redness)	may include the following:
Inhalation	reduced increase	e symptoms I fetal weigh e in fetal dea malformatio	aths
Skin contact	pain or i redness blisterin reduced increase	rritation	aths
Ingestion	stomach reduced increase		aths
Delayed and immediate effec Short term exposure	<u>ts and also</u>	chronic ef	fects from short and long term exposure
Potential immediate effects	: No knov	vn significaı	nt effects or critical hazards.
Potential delayed effects	: No knov	vn significai	nt effects or critical hazards.



Section 11. Toxicological information

<u>Long term exposure</u>	
Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.
Potential chronic health eff	ects
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	 Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: May damage the unborn child.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: May damage fertility.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium dioxide	Acute LC50 >1000000 μg/L Marine water	Fish - Fundulus heteroclitus	96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Proprietary ingredient 1	6.1	-	high

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

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 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



Section 13. Disposal considerations

should be taken when handling empty 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.

Section 14. Transport information

	DOT Classification	IMDG	ΙΑΤΑ
UN number	Not regulated.	UN3077	UN3077
UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Oxirane, 2,2'-[(1-methylethylidene)bis(4, 1-phenyleneoxymethylene)]bis-, homopolymer, 1,3-Propanediol, 2-ethyl-2- (hydroxymethyl)-, polymer with 2- (chloromethyl)oxirane). Marine pollutant (Oxirane, 2,2'-[(1-methylethylidene)bis(4, 1-phenyleneoxymethylene)]bis-, homopolymer, 1,3-Propanediol, 2-ethyl-2- (hydroxymethyl)-, polymer with 2- (chloromethyl)oxirane)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Oxirane 2,2'-[(1-methylethylidene)bis(4, 1-phenyleneoxymethylene)]bis-, homopolymer, 1,3-Propanediol, 2-ethyl- 2-(hydroxymethyl)-, polymer with 2- (chloromethyl)oxirane)
Transport hazard class(es)	-	9	9
Packing group	-	III	Ш
Environmental hazards	No.	Yes.	Yes.
	-		AERG : 171

Additional information

The limited quantity exception can be used for the transportation of this item. Certain restrictions may apply in regards to sizes and packaging. For further information, refer to the applicable transportation of dangerous goods regulation.

DOT Classification	:	This product is not regulated as a marine pollutant when transported on inland waterways in sizes of $\leq 5 \text{ L}$ or $\leq 5 \text{ kg}$ or by road, rail, or inland air in non-bulk sizes, provided the packagings meet the general provisions of §§ 173.24 and 173.24a.
IMDG	:	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
ΙΑΤΑ	1	The environmentally hazardous substance mark may appear if required by other transportation regulations.
Special precautions for user	:	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.





Section 15. Regulatory information

U.S. Federal regulations	: TSCA 8(a) PAIR: Proprietary ingredient 1; Siloxanes and Silicones, di-Me, reaction products with silica
	United States inventory (TSCA 8b): All components are listed or exempted.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed
SARA 302/304	
Composition/information	on ingredients
No products were found.	
SARA 304 RQ	: Not applicable.
SARA 311/312	
Classification	: SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B
Composition/information	on ingredients

Name	Classification
Oxirane, 2,2'-[(1-methylethylidene)bis(4,	SKIN CORROSION/IRRITATION - Category 2
1-phenyleneoxymethylene)]bis-, homopolymer	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
	SKIN SENSITIZATION - Category 1
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-	SKIN CORROSION/IRRITATION - Category 1C
(chloromethyl)oxirane	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
	SKIN SENSITIZATION - Category 1B
	TOXIC TO REPRODUCTION (Fertility) - Category 1B
	TOXIC TO REPRODUCTION (Unborn child) - Category 1B
Titanium dioxide	CARCINOGENICITY - Category 2

SARA 313

There is no data available.

State regulations	
Massachusetts	: The following components are listed: Glass, oxide, chemicals; Titanium dioxide
New York	: None of the components are listed.
New Jersey	: The following components are listed: Titanium dioxide
Pennsylvania	: The following components are listed: Titanium dioxide
California Prop. 65	

WARNING: This product can expose you to Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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Section 15. Regulatory information

Ingredient name	No significant risk level	Maximum acceptable dosage level
Titanium dioxide	-	-

Section 16. Other information

Hazardous Material Information System (U.S.A.)



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 label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of 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.

Procedure used to derive the classification

Classification	Justification
SKIN CORROSION/IRRITATION - Category 1C	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION (Fertility) - Category 1B	Calculation method
TOXIC TO REPRODUCTION (Unborn child) - Category 1B	Calculation method
AQUATIC HAZARD (LONG-TÈRM) - Category 2	Calculation method

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Date of issue mm/dd/yyyy	: 08/09/2018
Date of previous issue	: Not applicable
Version	: 1
Prepared by	: KMK Regulatory Services Inc.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



SAFETY DATA SHEET

INCREDI-BOND® Multi-Purpose Epoxy PART B



GHS product identifier	: INCREDI-BOND® Multi-Purpose Epoxy PART B
Other means of identification	
Product type	: General Purpose Epoxy
Relevant identified uses o	f the substance or mixture and uses advised against
Identified uses	:
Supplier's details	 MiTek Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Tel: 800-328-5934 Fax: 952-898-8605
Emergency telephone number (with hours of operation)	: CHEM TEL: (800) 255- 3924 24/7

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	 H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H360 - May damage fertility or the unborn child. H410 - Very toxic to aquatic life with long lasting effects.



MiTek



Section 2. Hazards identification

Precautionary statements		
Prevention	:	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P273 - Avoid release to the environment. P261 - Avoid breathing dust. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling. P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.
Response	:	 P391 - Collect spillage. P308 + P313 - IF exposed or concerned: Get medical attention. P304 + P340 + P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. P333 + P313 - If skin irritation or rash occurs: Get medical attention. P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
Storage	1	P405 - Store locked up.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not result in classification/	:	None known.

HHNOC/PHNOC

MiTek

Section 3. Composition/information on ingredients

Substance/mixture	÷	Mixture
Other means of	÷	
identification		
CAS number/other identifiers		
CAS number	:	Not applicable.
Product code	÷	

Ingredient name	%	CAS number
4-Nonylphenol, Branched	4 - 20	84852-15-3
2-Piperazin-1-Ylethylamine	10 - 20	140-31-8
2,2'-Ethylenedioxydiethyl bis(2-ethylhexanoate)	4 - 20	94-28-0
2,4,6-tris(Dimethylaminomethyl)phenol	4 - 10	90-72-2
Ethanediol	1 - 5	107-21-1
3,6-Diazaoctanethylenediamin	1 - 5	112-24-3
Benzyl alcohol	1 - 4	100-51-6
bis[(Dimethylamino)methyl]phenol	0.1 - 0.6	71074-89-0
Silica, amorphous, fumed, crystfree	1 - 5	112945-52-5
Phenol, 2-nonyl-, branched	1 - 5	91672-41-2
2-(2-Aminoethylamino)Ethanol	0 - 2	111-41-1

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 concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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



Section 4. First aid measures

Descri	otion o	f necessary	first aid	measures	
200011		- HOUOUUI	TH OT AIM	1110404100	

Description of necessar	<u>y first aid measures</u>
Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Most important symptor	ns/effects, acute and delayed
Potential acute health	
Eye contact	Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe burns. May cause an allergic skin reaction.

: Harmful if swallowed.

Over-exposure signs/symptoms

Ingestion

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations

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Section 4. First aid measures

Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate med	lical attention and special treatment needed, if necessary
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
Special protective actions for fire-fighters	: No special measures are required.
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, protect	tiv	e equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For 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".





Section 6. Accidental release measures

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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and materials for containment and cleaning up

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 place 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 and storage

Precautions for safe handling

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. Avoid exposure during pregnancy. 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. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.
Advice on 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. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.
Conditions for safe storage, including any incompatibilities	:	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

United States

Occupational exposure limits

Ingredient name	Exposure limits
4-Nonylphenol, Branched	None.
2-Piperazin-1-Ylethylamine	None.
2,2'-Ethylenedioxydiethyl bis(2-ethylhexanoate)	None.
2,4,6-tris(Dimethylaminomethyl)phenol	None.
Ethanediol	ACGIH TLV (United States, 3/2016).
	C: 100 mg/m ³ Form: Aerosol.
3,6-Diazaoctanethylenediamin	AIHA WEEL (United States, 10/2011). Absorbed through skin.
	TWA: 1 ppm 8 hours.
Benzyl alcohol	AIHA WEEL (United States, 10/2011).
	TWA: 10 ppm 8 hours.
bis[(Dimethylamino)methyl]phenol	None.
Silica, amorphous, fumed, crystfree	NIOSH REL (United States, 10/2013).
	TWA: 6 mg/m ³ 10 hours.

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Section 8. Exposure controls/personal protection

Phenol, 2-nonyl-, branched 2-(2-Aminoethylamino)Ethanol None. None.

Canada

Occupational exposure limits

Ingredient name	Exposure limits
Ethanediol	CA Ontario Provincial (Canada, 7/2015). C: 100 mg/m ³ Form: Aerosol only CA British Columbia Provincial (Canada, 5/2015). C: 100 mg/m ³ Form: Aerosol. TWA: 10 mg/m ³ 8 hours. Form: Particulate. STEL: 20 mg/m ³ 15 minutes. Form: Particulate. C: 50 ppm Form: Vapour CA Saskatchewan Provincial (Canada, 7/2013). CEIL: 100 mg/m ³ Form: Aerosol. CA Alberta Provincial (Canada, 4/2009). C: 100 mg/m ³ CA Quebec Provincial (Canada, 1/2014). STEV: 50 ppm 15 minutes. Form: Vapor and mist STEV: 127 mg/m ³ 15 minutes. Form: Vapor and mist
3,6-Diazaoctanethylenediamin	CA Ontario Provincial (Canada, 7/2015). Absorbed through skin. TWA: 3 mg/m ³ 8 hours. TWA: 0.5 ppm 8 hours.
Benzyl alcohol	AIHA WEEL (United States, 10/2011). TWA: 10 ppm 8 hours.

Appropriate engineering controls	lo	t user operations generate dust, fumes, gas, vapor or mist, use process enclosures, ocal 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 hey comply with the requirements of environmental protection legislation.
Individual protection meas	ures	
Hygiene measures	e A C	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 location.
Eye/face protection	a g tl	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless he assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Skin protection		
Hand protection	v n d n g	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 breakthrough 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.
Body protection	p	Personal protective equipment for the body should be selected based on the task being berformed and the risks involved and should be approved by a specialist before handling this product.



Section 8. Exposure controls/personal protection

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	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

<u>Appearance</u>		
Physical state	1	Solid. [Paste. Viscous.]
Color	1	Gray.
Odor	:	Amine-like.
Odor threshold	:	Not available.
рН	1	Not available.
Melting point	:	Not available.
Boiling point	1	Not available.
Flash point	1	Not available.
Evaporation rate	1	Not available.
Flammability (solid, gas)	1	Not available.
Lower and upper explosive (flammable) limits	1	Not available.
Vapor pressure	1	Not available.
Vapor density	1	Not available.
Relative density	1	1.2
Solubility	1	Insoluble.
Partition coefficient: n- octanol/water	1	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.
Volatile organic compounds	1	1 g/L (tested per EPA CFR 40, Part 63, Subpart PPPP, Appendix A) 47 g/L (tested per EPA CFR 40, Part 60, method 24)
Density	1	Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous polymerization will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials.

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Section 10. Stability and reactivity

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
4-Nonylphenol, Branched	LD50 Oral	Rat	1300 mg/kg	-
2,2'-Ethylenedioxydiethyl bis (2-ethylhexanoate)	LD50 Oral	Rat	31 g/kg	-
2,4,6-tris(Dimethylaminomethyl) phenol	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
Ethanediol	LD50 Oral	Rat	4700 mg/kg	-
3,6-Diazaoctanethylenediamin	LD50 Dermal	Rabbit	805 mg/kg	-
	LD50 Oral	Rat	2500 mg/kg	-
Benzyl alcohol	LD50 Dermal	Rabbit	2000 mg/kg	-
,	LD50 Oral	Rat	1230 mg/kg	-
Silica, amorphous, fumed, crystfree	LD50 Oral	Rat	3160 mg/kg	-
2-(2-Aminoethylamino)Ethanol	LD50 Dermal	Rat	2250 mg/kg	-
	LD50 Oral	Rat	3 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
4-Nonylphenol, Branched	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 mg	-
2-Piperazin-1-Ylethylamine	Eyes - Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 5 mg	-
2,2'-Ethylenedioxydiethyl bis	Skin - Mild irritant	Rabbit	-	500 mg	-
(2-ethylhexanoate)				-	
2,4,6-tris(Dimethylaminomethyl)	Eyes - Severe irritant	Rabbit	-	24 hours 50 µg	-
phenol	-				
	Skin - Mild irritant	Rat	-	0.025 ml	-
	Skin - Severe irritant	Rat	-	0.25 ml	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 mg	-
Ethanediol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	1 hours 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	6 hours 1440 mg	-
	Skin - Mild irritant	Rabbit	-	555 mg	-
3,6-Diazaoctanethylenediamin	Eyes - Moderate irritant	Rabbit	-	24 hours 20 mg	-
-	Eyes - Severe irritant	Rabbit	-	49 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 5 mg	-
	Skin - Severe irritant	Rabbit	-	490 mg	-
Benzyl alcohol	Skin - Moderate irritant	Rabbit	-	24 hours 100 mg	-
2-(2-Åminoethylamino)Ethanol	Eyes - Severe irritant	Rabbit	-	50 mg	-
· · · ·	Skin - Mild irritant	Rabbit	-	445 mg	-

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity Classification

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Talc, not containing asbestiform	-	3	-	A4	-	-
fibres Ethanediol	-	-	-	A4	-	-
Silica, amorphous, fumed, crystfree	-	3	-	-	-	+

Reproductive toxicity

There is no data available.



Section 11. Toxicological information

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

Name			Category	Route of exposure	Target organs
Silica, amorphous, fumed, crystfree 2-(2-Aminoethylamino)Ethanol			Category 3 Category 3	Not applicable. Not applicable.	Respiratory tract irritation Respiratory tract irritation
Specific target organ toxic	<mark>city (</mark> I	<u>repeated exposure)</u>			
There is no data available.					
Aspiration hazard					
There is no data available.					
Information on the likely routes of exposure	:	Dermal contact. Eye contact	ct. Inhalation. Ing	estion.	
Potential acute health effect	<u>:ts</u>				
Eye contact	:	Causes serious eye damag	je.		
Inhalation	1	No known significant effect	s or critical hazar	ds.	
Skin contact	1	Causes severe burns. May	/ cause an allergi	ic skin reaction.	
Ingestion	:	Harmful if swallowed.			
Symptoms related to the pl	hysic	al, chemical and toxicoloc	lical characteris	<u>tics</u>	
Eye contact	:	Adverse symptoms may inc	clude the followin	g:	
		pain			
		watering redness			
Inhalation	1.1	Adverse symptoms may inc	clude the followin	a.	
		reduced fetal weight		9.	
		increase in fetal deaths			
		skeletal malformations			
Skin contact	1	Adverse symptoms may inc pain or irritation	clude the followin	g:	
		redness			
		blistering may occur			
		reduced fetal weight			
		increase in fetal deaths skeletal malformations			
Ingestion	÷.,	Adverse symptoms may inc	clude the followin	a.	
ingootion		stomach pains		9.	
		reduced fetal weight			
		increase in fetal deaths skeletal malformations			
Delayed and immediate off	o oto	and also obvoria offecto fr	om obort and la	ng town ownoours	
Delayed and immediate effe	ecis a	and also chronic enects th	om short and lo	ng term exposure	
Short term exposure Potential immediate		No known significant effect	e or critical baza	de	
Potential inimediate	1.1	No known significant effect	s or childer hazal	uð.	

Potential delayed effects : No known significant effects or critical hazards.

effects



Section 11. Toxicological information

<u>Long term exposure</u>	
Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.
Potential chronic health eff	ects
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: May damage the unborn child.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: May damage fertility.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	1824.1 mg/kg
Dermal	5751.1 mg/kg
Inhalation (vapors)	876.8 mg/L

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
4-Nonylphenol, Branched	Acute EC50 0.03 mg/L Marine water	Algae - Skeletonema costatum	72 hours
	Acute EC50 0.027 mg/L Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 137 µg/L Marine water	Crustaceans - Eohaustorius estuarius - Adult	48 hours
	Acute LC50 17 µg/L Marine water	Fish - Pleuronectes americanus - Larvae	96 hours
	Chronic EC10 0.012 mg/L Marine water	Algae - Skeletonema costatum	96 hours
	Chronic NOEC 5 µg/L Fresh water	Crustaceans - Gammarus fossarum - Adult	21 days
	Chronic NOEC 7.4 µg/L Fresh water	Fish - Pimephales promelas - Embryo	33 days
2-Piperazin-1-Ylethylamine	Acute LC50 2190000 µg/L Fresh water	Fish - Pimephales promelas	96 hours
Ethanediol	Acute LC50 6900000 µg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 41000000 µg/L Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 8050000 µg/L Fresh water	Fish - Pimephales promelas	96 hours
3,6-Diazaoctanethylenediamin	Acute EC50 3700 µg/L Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
-	Acute LC50 33900 µg/L Fresh water	Daphnia - Daphnia magna	48 hours
Benzyl alcohol	Acute LC50 460000 µg/L Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours

Persistence and degradability

There is no data available.



Section 12. Ecological information

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
4-Nonylphenol, Branched	5.4	740	high
2-Piperazin-1-Ylethylamine	-1.48	-	low
2,2'-Ethylenedioxydiethyl bis	6.1	-	high
(2-ethylhexanoate)			
2,4,6-tris(Dimethylaminomethyl)	0.219	-	low
phenol			
Ethanediol	-1.36	-	low
3,6-Diazaoctanethylenediamin	-1.66 to -1.4	-	low
Benzyl alcohol	0.87	-	low
2-(2-Áminoethylamino)Ethanol	-1.46	<0.2	low

Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

Other adverse effects : No known significant effects or critical hazards.

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 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 empty 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.

Section 14. Transport information

DOT	TDG	IMDG	ΙΑΤΑ
UN3259	UN3259	UN3259	UN3259
AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine)	AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine). Marine pollutant (4-Nonylphenol, Branched)	AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine). Marine pollutant (4-Nonylphenol, Branched)	AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine)
8	8		8
Ш	Ш		111
No.	Yes.	Yes.	Yes.
	UN3259 AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine) 8 8 UN3259	UN3259 UN3259 AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine) AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine). Marine pollutant (4-Nonylphenol, Branched) 8 8 III III	UN3259UN3259UN3259AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine)AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine). Marine pollutant (4-Nonylphenol, Branched)AMINES, SOLID, CORROSIVE, N.O.S. (4-Nonylphenol, Branched, 2-Piperazin-1-Ylethylamine). Marine pollutant (4-Nonylphenol, Branched)88Image: Construct of the state of the sta





INCREDI-BOND® Multi-Purpose Epoxy PART B

Section 14. Transport information

	Remarks	The marine nellutent mark is	The marine nellytent mark is	
Additional		The marine pollutant mark is	The marine pollutant mark is	The environmentally
information	Limited Quantity Exemption	not required when transported	not required when transported	hazardous substance mark
	For corrosive materials in	by road or rail.Product	in sizes of ≤5 L or ≤5 kg.	may appear if required by
	Packing Group III, inner	classified as per the following	Remarks	other transportation
	packaging's not over 5.0 L (1.3	sections of the Transportation	Limited Quantity Exemption	regulations.
	gallons) net capacity each for	of Dangerous Goods	For corrosive materials in	
	liquids or not over 5.0 kg (11	Regulations: 2.40-2.42 (Class	Packing Group III, inner	
	lbs) net capacity each for	8), 2.7 (Marine pollutant	packaging's not over 5.0 L (1.3	
	solids, packed in a strong	mark).	gallons) net capacity each for	
	outer packaging.	Remarks	liquids or not over 5.0 kg (11	
		Limited Quantity Exemption	lbs) net capacity each for	
		For corrosive materials in	solids, packed in a strong	
		Packing Group III, inner	outer packaging.	
		packaging's not over 5.0 L (1.		
		3 gallons) net capacity each		
		for liquids or not over 5.0 kg		
		(11 lbs) net capacity each for		
		solids, packed in a strong		
		outer packaging.		

AERG : 154

Special precautions for user : 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.

Section 15. Regulatory information

U.S. Federal regulations	:	TSCA 8(a) PAIR : 4-Nonylphenol, Branched; 2,2'-Ethylenedioxydiethyl bis (2-ethylhexanoate); Phenol, 2-nonyl-, branched
		TSCA 8(a) CDR Exempt/Partial exemption: Not determined
		TSCA 12(b) one-time export: 4-Nonylphenol, Branched
		United States inventory (TSCA 8b): Not determined.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	:	Listed
Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed
<u>SARA 302/304</u>		
Composition/information	on	ingredients
No products were found.		
SARA 304 RQ	:	Not applicable.
<u>SARA 311/312</u>		
Classification	:	Immediate (acute) health hazard Delayed (chronic) health hazard

Section 15. Regulatory information

Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
4-Nonylphenol, Branched	No.	No.	No.	Yes.	Yes.
2-Piperazin-1-Ylethylamine	No.	No.	No.	Yes.	No.
2,4,6-tris(Dimethylaminomethyl)phenol	No.	No.	No.	Yes.	No.
Ethanediol	No.	No.	No.	Yes.	No.
3,6-Diazaoctanethylenediamin	No.	No.	No.	Yes.	No.
Benzyl alcohol	No.	No.	No.	Yes.	No.
bis[(Dimethylamino)methyl]phenol	No.	No.	No.	Yes.	No.
Silica, amorphous, fumed, crystfree	No.	No.	No.	Yes.	No.
Phenol, 2-nonyl-, branched	No.	No.	No.	Yes.	Yes.
2-(2-Aminoethylamino)Ethanol	No.	No.	No.	Yes.	Yes.

SARA 313

	Product name	CAS number
Form R - Reporting requirements	4-Nonylphenol, Branched Ethanediol	84852-15-3 107-21-1
Supplier notification	4-Nonylphenol, Branched Ethanediol	84852-15-3 107-21-1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts	 The following components are listed: 2-Piperazin-1-Ylethylamine; Limestone; Talc, not containing asbestiform fibres; Benzyl alcohol; Ethanediol; 3,6-Diazaoctanethylenediamin
New York	: The following components are listed: Ethanediol
New Jersey	 The following components are listed: 2-Piperazin-1-Ylethylamine; Limestone; Talc, not containing asbestiform fibres; Ethanediol; 3,6-Diazaoctanethylenediamin
Pennsylvania	 The following components are listed: 2-Piperazin-1-Ylethylamine; Limestone; Talc, not containing asbestiform fibres; Ethanediol; 3,6-Diazaoctanethylenediamin

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	Cancer			Maximum acceptable dosage level
Ethanediol Crystalline silica (medium particle size) Crystalline silica, amorphous	Yes.	No.	No.	No. No. No.

Canada

- Canadian lists
- Canadian NPRI
- : The following components are listed: 4-Nonylphenol, Branched; Ethanediol
- : The following components are listed: 4-Nonylphenol, Branched
- CEPA Toxic substances Canada inventory
- : Not determined.





Section 16. Other information

Hazardous Material
Information System (U.S.A.)

Health	*	3
Fire hazard		1
Reactivity		0
Personal protection		

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 are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

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Procedure used to derive the classification

Classification	Justification
ACUTE TOXICITY (oral) - Category 4	Calculation method
SKIN CORROSION - Category 1B	Calculation method
SERIOUS EYE DAMAGE - Category 1	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
TOXIC TO REPRODUCTION (Fertility) - Category 1B	Calculation method
TOXIC TO REPRODUCTION (Unborn child) - Category 1B	Calculation method
AQUATIC HAZARD (ACUTE) - Category 1	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 1	Calculation method

History

Date of issue mm/dd/yyyy	: 10/30/2016
Version	: 1
Prepared by	: KMK Regulatory Services Inc.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

