

SAFETY DATA SHEET

Section 1. Identification

Manufacturer/Supplier

Glenmarc Industries Inc 2001 S Blue Island Ave Chicago IL 60608 Tel: (312) 243-0800

Fax: (312) 243-4670 Web: glenmarc.com

Emergency telephone

number

800-255-3924 (24 Hours) Chemtel

P-1500 Code P-1500

Specific uses Sealants and adhesives

Revision date: 01/10/2019

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 SKIN CORROSION/IRRITATION - Category 2

substance or mixture SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

SKIN SENSITIZATION - Category 1

GHS label elements

Hazard pictograms



Signal word Warning!

Hazard statements Causes skin and eye irritation.

May cause an allergic skin reaction.

Precautionary statements

Prevention Wear protective gloves. Wear eye or face protection. Avoid breathing dust. Wash

hands thoroughly after handling. Contaminated work clothing should not be allowed out

of the workplace.

Response IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing.

Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get

medical attention.

Storage Not applicable.

Disposal 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

Ingredient name	% by weight	CAS number
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin 2,4,6-tris(dimethylaminomethyl)phenol crystalline silica non-respirable		25068-38-6 90-72-2 14808-60-7

Canada

Name	CAS number	%
Talc , not containing asbestiform fibres	14807-96-6	30 - 60
glass, oxide, chemicals	65997-17-3	10 - 30
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	25068-38-6	10 - 30
Nepheline syenite	37244-96-5	10 - 30
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	1 - 5
crystalline silica non-respirable	14808-60-7	0.1 - 1

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

Section 4. First aid measures

Description of necessary first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention if adverse health effects persist or are severe. 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

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact

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 10 minutes. Get medical attention.

Ingestion

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. Get medical attention if adverse health effects persist or are severe. 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 symptoms/effects, acute and delayed

Potential acute health effects

Inhalation Exposure to decomposition products may cause a health hazard. Serious effects may be

delayed following exposure.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion Irritating to mouth, throat and stomach.

Section 4. First aid measures

Over-exposure signs/symptoms

Inhalation No specific data.

Skin contact Adverse symptoms may include the following:

irritation redness

Eye contact Adverse symptoms may include the following:

pain or irritation

watering redness

Ingestion No specific data.

Indication of immediate medical 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

Use an extinguishing agent suitable for the surrounding fire.

exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments No specific treatment.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

None known.

Specific hazards arising

from the chemical

No specific fire or explosion hazard.

National Fire Protection Association (U.S.A.)



Hazardous thermal decomposition products

Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen 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

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 specialised 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. Using a vacuum with HEPA filter will reduce dust dispersal. 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 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

Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 35°C (95°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. 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.

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. Do not get in eyes or on skin or clothing. Do not ingest. 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredie nt name	CAS#	Exposure limits
crystall ine sil ica non-re s pirable	14808-60-7	OSH A PEL Z3 (U nited Sta tes, 9/20 05). No tes: 250/(% SiO2+5) TW A: 250 M P PCF / (%SiO2+5) 8 hours. Form: Respirable OSH A PEL Z3 (U nited Sta tes, 9/20 05). No tes: 10/(SiO2+2) TW A: 10 MG/M3 / (%SiO2+2) 8 hours. For m: Respirable ACGIH TLV (U nited Sta tes, 3/20 12). TW A: 0.025 mg/m³ 8 hours. Form: Respirable fra ction NIOSH REL (U nited Sta tes, 1/201 3). TW A: 0.05 mg/m³ 10 hours. Form: respirable dust OSH A PEL Z3 (U nited Sta tes, 9/20 05). No tes: 30/(% SiO2+2) TW A: 30 MG/M3 / (%SiO2+2) 8 hours. For m: Total dust.

Canada

Occu patio nal exposure limits		TWA	(8 h ours)	STEL (15 mins)		s)	Ceiling			
Ingredient	List name	ppm	mg/ m³	Other	ppm	mg/ m³	Other	ppm	mg/ m³	Other	Notations
Talc, not contai ning asb estiform fibres	AB 4/20 09	-	2	-	-	-	-	-	-	-	[a]
	BC 4/2 012	-	2	-	-	-	-	-	-	-	[b]
		-	-	0.1 f/cc	-	-	-	-	-	-	
	ON 1/20 13	-	2	-	-	-	-	-	-	-	[c]
		-	2	-	-	-	-	-	-	-	[d]
		-	-	2 f/cc	-	-	-	-	-	-	
	QC 12/2 012	-	3	-	-	-	-	-	-	-	[e]
glass, o xide, chemic als	US ACGIH 3/20 12	-	5	-	-	-	-	-	-	-	[f]
	US ACGIH 3/20 12	-	-	1 f/cc	-	-	-	-	-	-	[g]
	AB 4/20 09	-	5	1 f/cc	-	-	-	-	-	-	[h]
	25.4/2.242	-	5	-	-	-	-	-	-	-	[i]
	BC 4/2 012	-	5	-	-	-	-	-	-	-	[j]
	01/4/20 42	-	-	1 f/cc	-	-	-	-	-	-	
	ON 1/20 13	-	10	-	-	-	-	-	-	-	[k]
		-	5	1 f/cc	-	-	-	-	-	-	[1]
	QC 12/2 012	-	-	1 f/cc	-	-	-	-	-	Ī	[m] [n]
	QC 12/2 012	[10	1 1/00	ļ <u>-</u>	_	[-			[o]
crystalline s ilica n on-respirable	US ACGIH 3/20 12		0.025	_	_	_		-	1	L	[p]
crystalline silica iron respirable	BC 4/2 012	_	0.025	_	_	_	_	-	1_	L	[b]
	ON 1/20 13	-	0.023	_	_	_	_	-	1_	_	[c]
	QC 12/2 012	-	0.1	_	_	_	_	-	-	_	[e]
Ne pheline s yenite	ON 1/20 13	-	10	-	_	-	-	-	-	-	[q]

Form: [a]Respirable p articulate [b]Respirab le [c]Respirable f raction: means that si ze fraction of the airborne p articulate deposited in the gas-ex change reg ion of the re s piratory tract and collected during air sa mpling with a particle si ze-selective device that, (a) meets the ACGIH particle si ze-selecti ve sa mpling criteria for airborne particul ate matter; and (b) has the cut point of 4 μ m at 50 per cent collection nefficiency. [d] The value is for particulate matter containing no asbestos and < 1 per cent c rystalline sil ica. [e]Respirable dust. [f]Inhalable e fraction [g]Respirable fibers: length greater than n 5 uM; aspect ratio equal to or greater than 3:1 as deter mined by the membrane filter method at 4 00-450X magnification (4- mm objective) phase contrast illu mination. [h]Fibres [i]Fibres, total p articulate [j]Inhal able [k] Fiber [l]Inhalable fraction: means that size fraction of the airborne p articulate de posited anywhere in the respirator y tract and collected during air sa mpling with a particle si ze-selective d evice that, (a) meets the ACGIH particle si ze-selective sa mpling criteria for airborne particulate matter; and (b) has the cut point of 100 μ m at 50 per cent collection efficiency. [m]Respirable fibres: length > 5 μ m; aspect ratio \geq 3:1, as determined by the membrane filter method at 4 00-450 ti mes magnification (4- mm objective), using phase-contrast illumination. [n]RE S PIRAB LE FIBRES (other than n respirable asbestos fibres): Objects, other than respirable asbestos fibres, longer than n pure than g diameter of less than n mad a ratio of length to diameter of more than n [n]Total dust. [n]Total dust. [n]Total dust

Appro priate engineerin g con trols

No special ventilation require ments. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventialation or other engineering controls to keep worker exposure below any recommended or statutor y limits.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

En vironme ntal expos ure con trols

E missions from ventilation or work process equip ment should be checked to ensure they comply with the require ments of environmental protection legislation. In some cases, fumes crubbers, filters or engin eering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protecti on measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, be fore eating, s moking 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 e yewash stations and safety showers are close to the workstation location.

Respirator y protecti on

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk as sessment indicates this is nece ssary. 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.

Skin protec tion

Hand protection Che mical-resistant, i mpervious glo ves complying with an approved standard should be

worn at all times when hand ling chemical products if a risk as sessment 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 glov es cannot be ac curately estimated.

Body protecti on Personal protecti ve equipment for the body should be selected based on the tas k being

performed and the risks involved and should be approved by a special ist before

handling this product.

Other skin protection Appropriate footwear and an yadditional skin protection measure s should be selected

based on the tas k being performed and the risks involved and should be approved by a

specialist before handling this product.

Eye/face protection Safet y eyewear complying with an approved standard should be used when a risk

as s es s ment indicates this is nece s sar y to avoid exposure to liquid splashes, mists, gases or du sts. If contact is possible, the following protection should be worn, unless the assessment indicates a high er degree of protection: che mical splash gog gles.

Section 9. Physical and chemical properties

Ph ysical state So lid.

Color W hite.-Be ige.
Odor Su lfurous. Pungent.
Odor t hreshold Not av ailable.
pH Not av ailable.
Meltin g point Not av ailable.
Boili ng point Not av ailable.

Flash point Closed cup: >93. 3°C (>199.9°F) [Setaflash.] [Product does not su stain combustion.]

Evap oration rate Not available.

Flamma bility (solid, gas)

Flammable in the presence of the following materials or conditions: open flames, sparks

and static discharge.

Lo wer and u pper explosi ve

(flam mable) limi ts

Not av ailable.

Vapor pressure Not av ailable. Vapor densi ty Not av ailable.

Relati ve density 1.95

Solu bility Not av ailable.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Solu bility in water Not available.

Auto-ignition temperature Not available.

Decomposition temperature >200°C (>392°F)

Viscosity Not available.

Section 10. STABILITY AND REACTIVITY

Reacti vity No speci fic test data related to reacti vity available for this product or its ingredients.

Chemical stabili ty The product is stable.

Possibility of ha zardous

reactions

Under nor mal conditions of storage and use, ha zardous reactions will not occur.

Con ditions to a void No speci fic data.

Incom patible ma terials No speci fic data.

Hazardo us decom positi on Un

prod ucts

Under nor mal conditions of storage and use, ha zardous decomposition products should

not be produced.

Section 11. TOXICOLOGICAL INFORMATION

Information on toxicol ogical effects

Acute t oxicity

Product/i ngredien t name	Result	Species	Dose	Exposure
2,4,6-tris (dimethylaminomethyl)phenol	LD50 Der mal	Rat	1280 mg/kg	-
(difficulty difficulty)	LD50 Oral	Rat	1200 mg/kg	-

Irritation/ Corrosion

Product/i ngredien t name	Result	Species	Score	Exposure	Observati on
reaction product: bispheno I-A- (epichlorh ydrin); epox y resin	E yes - Mild irritant	Rabbit	-	100 milligrams	-
	S kin - Moderate irritant	Rabbit	-	24 hours 500 microliters	-
	S kin - Se vere irritant	Rabbit	-	24 hours 2 milligrams	-
2,4,6-tris (dimethylaminomethyl)phenol	E yes - Severe irritant	Rabbit	-	24 hours 50 Microgra ms	-
	S kin - Mi ld irritant	Rat	-	0.025 M ililiters	-
	S kin - Se vere irritant	Rat	-	0.25 M ililiters	-
	S kin - Se vere irritant	Rabbit	-	24 hours 2 milligrams	-

Sensitiza tion

No speci fic data.

Mutagenicity

No speci fic data.

Carcinoge nicity

No speci fic data.

Classification

Section 11. TOXICOLOGICAL INFORMATION

Product/i ngredien t name	OSHA	IARC	NTP
crystall ine sil ica non- respirable	-	1	Kno wn to be a human car cinogen.

Reprod uctive toxicity

No speci fic data.

Teratogenici ty

No speci fic data.

Specific target organ t oxicit y (sin gle exposure)

No speci fic data.

Specific target organ toxicity (repeated exposure)

No speci fic data.

Aspiratio n hazard

No speci fic data.

Information on the likely

routes of exp osure

Not av ailable.

Poten tial acute healt h effects Potential acute health effects

Causes serious e ye irritation. E ye contact

Inhalat ion Exposure to deco mposition products may cause a health h azard. Serious ef fects may

be de layed following exposure.

Skin con tact Causes skin irritation. May cause an all ergic skin reaction.

Ingesti on Irritating to mouth, throat an d sto mach.

Symptoms related to the physical, chemical and toxicological charac eristics

E ye contact Adverse symptoms may include the following:

> pain or irritation watering

redness

Inhalat ion No speci fic data.

Skin con tact Adverse symptoms may include the following:

> irritation redness

Ingesti on No speci fic data.

Delayed and immediate effects and chronic effects from short and long term exposure

Short term exposure

Poten tial immediate

Not av ailable.

effects

Poten tial dela yed effects

Not av ailable.

Long term exp osure

Poten tial immediate

Not av ailable.

effects

Poten tial dela yed effects Not av ailable.

Poten tial chronic health ef fects

No speci fic data.

General Once sensitized, a severe a llergic reaction may occur when subsequently exposed to

very low levels.

Section 11. Toxicological considerations

Carcinoge nicity

No known significant e ffects or c ritical ha zards.

Muta genicity

No known significant e ffects or c ritical ha zards.

Teratogenici ty

No known significant e ffects or c ritical ha zards.

Devel opmen tal effects

No known significant e ffects or c ritical ha zards.

Fertility effects

No known significant e ffects or c ritical ha zards.

Numerical measures of t oxicity

Acute t oxicit y estimates

Rou te	ATE val ue
	2083.9 mg/kg 2222.9 mg/kg

Section 12. Ecological Considerations

Toxicity

No speci fic data.

Per s istence and degradability

No speci fic data.

Bioaccum ulative po tential

Product/i ngredien t name	Lo gP _{ow}	BCF	Poten tial
reaction product: bispheno I-A- (epichlorhydrin); epox y resin	2.64 to 3. 78	31	low
2,4,6-tris (dimethylaminomethyl)phenol	0.219	-	low

Mobili ty in soil

Soil/ water partition coefficient (Koc)

Not av ailable.

Other ad verse effects

No known significant e ffects or critical hazards.

Section 13. Disposal Considerations

Disposal met hods

The gen eration of waste should be a voided 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 alicensed wasted isposal 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 hand ling 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.

RCR A classification

Not av ailable.

Section 14. TRANSPORTATION INFORMATION

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN Num ber	Not regulat ed.	Not regulat ed.	Not regulat ed.	Not regulat ed.	Not regulat ed.
UN pro per ship ping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing gro up	-	-	-	-	-
En vironme ntal hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user Transport within user's premises: always transport in closed containers that are upright and secu re. Ensure that persons t ransporting the prod uct know what to do in the event of an accident or spil lage.

Section 15. REGULATORY INFORMATION

Unite d States

U.S. Federal regulatio ns TSC A 8(a) P AIR: Si loxanes and Si licones, di-Me, reaction products w ith silica

TSC A 8(a) CDR Exemp t/Partial ex emption: Not deter mined

Unite d States in ventory (TSC A 8b): All components are listed or exempted.

Clean Water Act (C WA) 307: zinc sulphide

Clean Air Act Section 112

(b) Hazardo us Air Pollu tants (HAPs)

Not listed

Clean Air Act Section 602

Class I Substances

Not listed

Clean Air Act Section 602

Not listed

Class II Substances

SARA 302/304

Com positi on/informati on on ingredie nts

No products were found.

SARA 304 RQ

Not applicable.

SARA 311/312

Immediate (acute) health ha zard Classification

Com positi on/informati on on ingredie nts

Section 15. Regulatory Information

Name	%	Fire hazard	Sud den relea se of pressure	Reacti ve	Immedia te (acute) health hazard	Dela yed (chro nic) health hazard
reaction product: bispheno I-A- (epichlorh ydrin); epox y resin 2,4,6-tris(di methylaminomethyl)phen ol crystall ine sil ica non-re s pirable	10 - 30 1 - 5 0.1 - 1	No. No. No.	No. No. No.	No. No. No.	Yes. Yes. No.	No. No. Yes.

SARA 313

	Product name	CAS num ber	%
Form R - Reporti ng requirements	zinc sulph ide	1314-98-3	1 - 5

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: SOAPSTONE MINERAL

New York None of the components are listed.

New Jers ey The following components are listed: SOAPSTONE MINERAL, SILICA QUARTS; QUARTZ

(SiO2); ZINC

Pennsylvania The following components are I isted: SOAPS TONE DUS T; QUAR TZ (SI O2); ZINC

COMPOUN DS

Minnesota Hazardous

Substances

None of the components are listed.

California Prop. 65

WARNING: This product contains a che mical known to the State of California to cause cancer.

Ingredient name	Cancer	Reprod uctive	· · · ·	Maximum acceptable dosage level
Talc, not contain ing asbestifo rm fibres crystall ine sil ica non-re s pirable		No. No.		No. No.

Canada

WH MIS (Canada) Class D -2A: Mater ial causing ot her toxic e ffects (Ver y toxic).

Class D -2B: Mater ial causing ot her toxic e ffects (Toxic).

Canadian Lists

Canadian NPRI The following components are I isted: Zinc (and its compounds)

CEP A Toxic subs tances None of the components are listed.

Canada in ventory All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations

International lists Australia in ventory (AICS): All components are I isted or exempted.

China inventory (IECSC) : All components are listed or exempted.

Japan inventory: Not deter mined. Korea inventory: Not deter mined.

Mala ysia Inventory (EHS Register) : Not deter mined.

New Zealand I nventory of C hemicals (NZI oC): Not determined.

Philip pines inventory (PICCS): Not determined. Taiwan inventory (CSNN): Not determined.

Substances of very high concern

Section 15. Regulatory information

None of the components are listed.

Section 16. Other information

Key to abbreviationsATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

References

Not available.

DISCLAIMER OF LIABILITY:

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, Glenmarc makes no guarantee of results and assume no liability for damage incurred by the use of this material. All chemicals may be present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation of warranties either expressed or implied or merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information referred. It is the responsibility of the user to comply with all applicable federal, state, local laws and regulations.