	BOSSIL TECHNOLOGY SDN. BHD.			
BossiL	Safety Data Sheet			
	BS-8146 4 Minutes 3 Ton Epoxy			
Issued date : 27/				
1. Identificati	tion of the substance/preparation and of the company/unde	rtaking		
Product use : Epo	S-8146 4 Minutes 3 Ton Epoxy (Part A) poxy adhesive			
	ossil Technology Sdn. Bhd. Telephone : +6016 - 2119190 2A-1, Jalan Tasik Utama 10, Fax : -)		
The	he Trillium @ Lake Fields, Email : sales@bossil.co	m		
	g. Besi, 57000 Kuala Lumpur, Website : www.bossil.com lalaysia.			
2. Hazard(s) i) identification			
Substance/Mixture	<u>e</u> : Mixture			
Hazard classificatio	ion : Skin Irrit.2			
Skin Sens.1				
Eye Irrit.2				
	Aquatic Chronic 2			
<u>Pictogram</u>	: GHS07 Exclamation mark			
	¥2			
	GHS09 Environment			
Signal word	: Warning			
Hazard statement(s	<u>(s)</u> :			
H315	Causes skin irritation.			
H317	May cause an allergic skin reaction.			
H319	Causes serious eye irritation.			
H411	Toxic to aquatic life with long lasting effects.			

Precautionary statement(s):

P261	Avoid breathing vapours.
P264	Wash hands thoroughly after handling.



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P272	Contaminated work clothing should not be allowed out of the workplace).
P273	Avoid release to the environment.	
P280	Wear protective gloves/protective clothing/eye protection/face protectio	n.
P302+P352	IF ON SKIN: Wash with soap and water.	
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove present and easy to do – continue rinsing.	e contact lenses if
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.	
P337+P313	If eye irritation persists: Get medical advice/attention.	
P362	Take off contaminated clothing and wash before reuse.	
P391	Collect spillage.	

Other hazards which do not result in classification but contribute to overall hazards: None known

3. Composition/Information on ingredients

Chemical name	CAS No.	EINECS No.	%
Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5	70 - 90
Formaldehyde, oligomeric reaction products with 1-chloro- 2,3-epoxypropane and phenol	9003-36-5	500-006-8	10 - 30

4. First-aid measures

In case of inhalation:

Remove to fresh air, keep warm and at rest. Contact physician if symptom persists.

In case of skin contact:

Remove contaminated clothing. Rinse with copious amount of water and soap. Get medical advice if skin irritation or a rash occurs. Wash clothing before reuse.

In case of eye contact:

Contact lenses should be removed. Rinse with copious amount of water immediately. Seek medical advice if eye irritation develops and persists.

In case of ingestion:

DO NOT induce vomiting. Rinse mouth thoroughly with water. Get medical attention if symptom persists.

Personal protection equipment for first-aiders:



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Pay attention to any potential hazards and use recommended personal protection equipment if potential for exposure exists.

Most important symptoms and effects, acute and delayed:

Causes skin irritation and allergic skin reaction. Causes serious eye irritation.

5. Fire-fighting measures

Suitable extinguishing media:

Water, alcohol-resistant foam, carbon dioxide, dry chemical.

Unsuitable extinguishing media:

High volume water jet.

Specific firefighting procedures:

Remove undamaged containers from fire area if it is safe to do so. Use extinguishing media that is suitable to local circumstances and surrounding environment.

Special person protection equipment for firefighters:

NIOSH-approved self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Specific hazards arising from firefighting:

Exposure to combustion products may be a hazard to health.

Thermal decomposition products:

Not limited to carbon monoxide, carbon dioxide, hydrogen sulphide, oxides of sulphur and barium fume.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedure:

Use recommended personal protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Measure for cleaning/collecting:

Wipe or soak with inert liquid binding material (sand, sawdust, etc). Scrape away cured material. Dispose the spilt material according to local or national regulations. Section 13 of this safety data sheet provides information regarding certain local or national requirements.

Additional information:

Prevent spillage from entering drainage/sewer systems. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

7. Handling and storage

Handling:

Ensure good ventilation during processing. Do not eat, drink or smoke while handling.

Storage:

Keep containers and syringes tightly closed and dry. Store in a well-ventilated area, protected from direct sunlight and heat, with temperature below 30 °C. Keep away from incompatibles. Refer to section 10 for incompatible materials.

8. Exposure controls/personal protection



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Engineering controls:

Ensure adequate ventilation and minimise workplace exposure concentrations.

Industrial hygiene:

Remove immediately all contaminated clothing. Do not inhale dust. Wash hands and contaminated areas with water and soap before leaving the work site. Change clothing before leaving workplace and wash before reuse. Do not eat, drink, or smoke while using product.

Hand protection:

Suitable impervious protective gloves (latex, nitrile, etc.). Breakthrough time is not tested for this product. Change gloves often if possible.

Respiratory protection:

A NIOSH-approved respirator with filter for organic vapours is recommended where local ventilation is not adequate.

Eye/Face protection:

Protective goggles/safety glasses.

9. Physical and chemical properties

 Clear liquid Mild odour Not determined Not applicable Not applicable Not applicable Not applicable Not classified as flammable Not classified as explosive Not classified as oxidising Not applicable Not determined
: Not determined : Not determined : 6,000 - 12,000 cPs

10. Stability and reactivity

Reactivity:

No reactive hazards known.

Stability:

Stable under recommended handling and storage conditions.

Conditions to avoid:

Avoid temperatures above 300 °C. At 350 °C violent decomposition might occur and cause rapid pressure build-up.

Hazardous reactions:

Will not occur by itself. Amine, amide, and mercaptan compounds will cause irreversible polymerisation.



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Hazardous decomposition products:

During normal storage, hazardous decomposition will not occur. At higher temperatures, decomposition products depends on the temperature, air supply and presence of other materials. Irritant gas and vapors will be produced.

Incompatible materials:

Avoid unintended contact with amines, amides, mercaptans, oxidizing materials, acids and bases.

11.Toxicology information

No specific oral, inhalation or dermal toxicology data is known for this product. Any toxicological data included in this section is based on the data associated with the components.

Acute oral toxicity, LD₅₀ (rat):

Not classified based on available information and/or concentration of components.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	>15,000 mg/kg
Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol	>5,000 mg/kg

Acute dermal toxicity, LD₅₀ (rabbit):

Not classified based on available information and/or concentration of components.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	>23,000 mg/kg
Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol	>6,000 mg/kg

Acute inhalation toxicity, LC₅₀ (4 hours, rat):

Not classified based on available information and/or concentration of components.

Serious eye damage/eye irritation: Classified as eve irritant.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Causes eye irritation.
Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol	Causes eye irritation.

Skin corrosion/skin irritation:

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Causes skin irritation.
Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol	Causes skin irritation.

Respiratory/Skin sensitisation:

Not classified as respiratory sensitiser, but may cause an allergic skin reaction.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Causes sensitisation on skin.
Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol	Causes sensitisation on skin.



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Germ cell mutagenicity:

Not classified based on available information and/or concentration of components.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Positive genotoxicity in vitro, but activity was eliminated
	by addition of metabolising enzyme.
	Negative genotoxicity in vivo.

Carcinogenicity:

Not classified based on available information and/or concentration of components.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy	No carcinogenic potential.
resin (number average molecular weight ≤ 700)	NOAEL: 15 mg/kg bw/day

Reproductive toxicity:

Not classified based on available information and/or concentration of components.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	No effect on fertility and foetal development.
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Specific target organ toxicity - single exposure:

Not classified based on available information and/or concentration of components.

Specific target organ toxicity - repeated exposure:

Not classified based on available information and/or concentration of components.

Reaction product: bisphenol-A-(epichlorhydrin); epoxy	Exposure by dermal for 13 weeks on rats.
resin (number average molecular weight ≤ 700)	NOEL: 1 mg/kg bw/day

Aspiration toxicity:

Not classified based on available information and/or concentration of components.

Likely route of administration:

Inhalation, skin contact, and ingestion.

Additional notes:

This product contains trace residual quantities of epichlorohydrin (CAS no. 106-89-8; EC no. 203-439-8). It is very unlikely that normal work practices with it in this workplace would release it to the atmosphere. Nevertheless, you should be aware that epichlorohydrin has been reported to produce cancer in laboratory animals and to produce mutagenic changes in bacteria and cultured human cells.

12. Ecological information

Individual components of this mixture have been independently tested by the raw material suppliers and any known results have been presented below. The results for the individual components may not be representative of the ecological toxicity of this finished product. This finished product has not been tested to determine individual toxicological/ecological limits.

Ecology toxicity:

Toxic to aquatic life with long lasting effects.	
Reaction product: bisphenol-A-(epichlorhydrin); epoxy	
resin (number average molecular weight ≤ 700)	
Toxicity to fish	Exposure for 96 hours, LC ₅₀ : 2.3 mg/L
Toxicity to crustacean	Exposure for 48 hours, EC ₅₀ : 1.1 mg/L
Toxicity to algae or other aquatic plants	Exposure for 72 hours, EC ₅₀ : 9.4 mg/L

Persistence and degradability:

Not likely to be persistent based on available information and/or concentration of components.



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	Reaction product: bisphenol-A-(epichlo	orhydrin); epoxy No biodegradatior	observed, but significant hydrolysis
	resin (number average molecular weigl	ht ≤ 700) observed. Exposu	re for 28 days, hydrolysis of >82%.

Bioaccumulative potential:

No bioaccumulation potential based on available information and/or concentration of components..

Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	BCF: 31
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Mobility in soil:

No data available.

13. Disposal information

Waste treatment/disposal methods - unused products

Should not be released into the environment. Classified as hazardous waste according to (national equivalent of EC-Dir. 91/689; disposal of toxic and hazardous waste). It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations. Use a registered waste disposal company and supply accurate information about the nature of the hazard.

Waste disposal number: 08 04 09*

Waste treatment/disposal methods - contaminated packaging

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Contaminated packaging is classified as hazardous waste. Empty containers should be transported/delivered using a registered waste carrier for local recycling or waste disposal. Fully drained containers which are drop- and scrape-free can be treated as industrial waste, and can possibly be recycled. Waste disposal number: 15 01 10*

14. Transport information

Road transport (UNRTDG)

UN number	: UN3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	: Epoxy resin
Hazard class	: 9
Classification code	: M6
Packing group	: PG III
<u>Marine transport (IMDG)</u>	:
UN number	: UN3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	: Epoxy resin
Hazard class	: 9
EmS	: F-A, S-F
Packing group	: PG III
Marine pollutant	: No
<u>Air transport (IATA)</u>	:
UN number	: UN3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	: Epoxy resin
Hazard class	: 9
Packing group	: PG III



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15. Regulatory information

Safety, health, and environmental regulations specific for the hazardous chemical in question:

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2010 (Malaysia)

Occupational Safety and Health (Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 (Malaysia)

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (European Union)

Occupational Safety and Health Administration (OSHA) (2006) Air Contaminants. 29 CFR 1910.1000 (United States of America)

Work Health and Safety Act 2011 (Australia)

EH40/2005 Workplace exposure limits (United Kingdom)

Chemical inventory status:

Australia AICS	: All ingredients listed or exempt.
Canada DSL	: All ingredients listed or exempt.
China IECSC	: All ingredients listed or exempt.
Korea KECI	: All ingredients listed or exempt.
Philippines PICCS	: All ingredients listed or exempt.
United States TCSA	: All ingredients listed or exempt.

16. Other information

Definitions: TWA STEL OSHA WEL LD ₅₀ ppm bw NOAEL NIOSH UNRTDG IMDG IATA AICS DSL IECSC KECI HSNO PICCS	 Time-weighted average. Short-term exposure level. Occupational Safe and Health Act Workplace exposure limits The minimum dose required for lethal effects in 50% of a given population of test specimens. part per million body weight No-observed-adverse-effect-level National Institute for Occupational Safety and Health. United Nations Recommendations on the Transport of Dangerous Goods International Maritime Dangerous Goods International Air Transport Association Australian Inventory of Chemical Substances Domestic Substance List Inventory of Existing Chemical Substances in China. Korea Existing Chemicals Inventory. Hazardous Substance and New Organisms Philippines Inventory of Chemicals and Chemical Substances.

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist. The details contained herein are based on our present state of knowledge and experience in characterising our product with regard to any possible safety requirement at the date of its publication. We do, however, pass them on without any warranty or property assurances.

	BOSSIL TECHNOLOGY SDN. BHD.			
Safety Data Sheet				
	BS-8146 4 Minutes 3 Ton Epoxy			
Issued date : 27/		Revision No.: 0		
1. Identificat	ation of the substance/preparation and of the company/ur	dertaking		
Product use : Ep Company : Bo 22/ The Sg.	BS-8146 4 Minutes 3 Ton Epoxy (Part B) Epoxy adhesive Bossil Technology Sdn. Bhd. Telephone : +6016 - 2119 2A-1, Jalan Tasik Utama 10, Fax : - The Trillium @ Lake Fields, Email : sales@bossi Sg. Besi, 57000 Kuala Lumpur, Website : www.bossil.c Malaysia.	l.com		
2. Hazard(s)) identification			
Substance/Mixture	r <u>e</u> : Mixture			
Hazard classification	tion : Skin Sens.1			
<u>Pictogram</u>	Eye Dam.1 : GHS05 Corrosive GHS07 Exclamation mark			
Signal word				
Signal word Hazard statement(s	: Danger			
H317	May cause an allergic skin reaction.			
H318	Causes serious eye damage.			
Precautionary statement(s):				
P261	Avoid breathing vapours.	Avoid breathing vapours.		
P272	Contaminated work clothing should not be allowed out of the workplac	Contaminated work clothing should not be allowed out of the workplace.		
P280	Wear protective gloves/protective clothing/eye protection/face protection.			
P302+P352	2 IF ON SKIN: Wash with soap and water.			

	BOSSIL TECHNOLOGY SDN. BHD).
Bossil	Safety Data Sheet	
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P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.	
P363	Wash contaminated clothing before reuse.	

Other hazards which do not result in classification but contribute to overall hazards: None known

3. Composition/Information on ingredients

Chemical name	CAS No.	EINECS No.	%
1,3-Bis[3-(dimethylamino)propyl]urea	52338-87-1	257-861-2	1 - 10

4. First-aid measures

In case of inhalation:

Remove to fresh air, keep warm and at rest. Contact physician if symptom persists.

In case of skin contact:

Remove contaminated clothing. Rinse with copious amount of water and soap. Get medical advice if skin irritation or a rash occurs. Wash clothing before reuse.

In case of eye contact:

Contact lenses should be removed. Rinse with copious amount of water immediately. Seek medical advice if eye irritation develops and persists.

In case of ingestion:

DO NOT induce vomiting. Rinse mouth thoroughly with water. Get medical attention if a symptom persists.

Personal protection equipment for first-aiders:

Pay attention to any potential hazards and use recommended personal protection equipment if potential for exposure exists.

Most important symptoms and effects, acute and delayed:

May cause skin irritation and allergic skin reaction. Causes serious eye irritation.

5. Fire-fighting measures

Suitable extinguishing media:

Water, alcohol-resistant foam, carbon dioxide, dry chemical.

Unsuitable extinguishing media:

None known.

Specific firefighting procedures:

Remove undamaged containers from fire area if it is safe to do so. Use extinguishing media that is suitable to local circumstances and surrounding environment.

Special person protection equipment for firefighters:

NIOSH-approved self-contained breathing apparatus and full protective clothing must be worn in case of fire.



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Specific hazards arising from firefighting:

Exposure to combustion products may be a hazard to health.

Thermal decomposition products:

Not limited to carbon monoxide, carbon dioxide, hydrogen sulphide, oxides of sulphur and barium fume.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedure:

Use recommended personal protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Measure for cleaning/collecting:

Wipe or soak with inert liquid binding material (sand, sawdust, etc.). Scrape away cured material. Dispose the spilt material according to local or national regulations. Section 13 of this safety data sheet provides information regarding certain local or national requirements.

Additional information:

Prevent spillage from entering drainage/sewer systems. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

7. Handling and storage

Handling:

Ensure good ventilation during processing. Do not eat, drink or smoke while handling.

Storage:

Keep containers and syringes tightly closed and dry. Store in a well-ventilated area, protected from direct sunlight and heat, with temperature below 30 °C. Keep away from incompatibles. Refer to section 10 for incompatible materials.

8. Exposure controls/personal protection

Engineering controls:

Product curing may form hazardous compounds. Ensure adequate ventilation and minimise workplace exposure concentrations.

Industrial hygiene:

Remove immediately all contaminated clothing. Do not inhale vapour. Wash hands and contaminated areas with water and soap before leaving the work site. Change clothing before leaving workplace and wash before reuse. Do not eat, drink, or smoke while using product.

Hand protection:

Suitable impervious protective gloves (latex, nitrile, etc.). Breakthrough time is not tested for this product. Change gloves often if possible.

Respiratory protection:

A NIOSH-approved respirator with filter for organic vapours is recommended where local ventilation is not adequate.

Eye/Face protection:

Protective goggles/safety glasses.



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9. Physical and chemical properties

Appearance Odour Odour threshold pH Freezing/Melting point Boiling point range Flash point Evaporation rate Flammability Explosive properties Oxidising properties Vapour pressure Vapour density	 Clear viscous liquid Sulphur-like Not determined Not applicable Not applicable Not applicable Not applicable Not applicable Not classified as flammable Not classified as explosive Not classified as oxidising Not applicable Not applicable Not classified as oxidising Not applicable Not applicable
Relative density	: 1.14
Solubility in water N-octanol/water	: Not determined
partition coefficient Decomposition temperature Viscosity	: Not determined : Not determined : 10,000 - 20,000 cPs

10. Stability and reactivity

Reactivity:

No reactive hazards known.

Stability:

Stable under recommended handling and storage conditions.

Conditions to avoid:

None known.

Hazardous reactions:

Will not occur by itself.

Hazardous decomposition products:

During normal storage, hazardous decomposition will not occur. At higher temperatures, decomposition products depends on the temperature, air supply and presence of other materials. Irritant gas and vapors will be produced.

Incompatible materials:

Avoid contact with oxidizing materials, acids and bases.

11. Toxicology information

No specific oral, inhalation or dermal toxicology data is known for this product. Any toxicological data included in this section is based on the data associated with the components.

Acute oral toxicity, LD₅₀ (rat):

Not classified based on available information and/or concentration of components.

Acute dermal toxicity, LD₅₀ (rabbit):

Not classified based on available information and/or concentration of components.



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Acute inhalation toxicity, LC₅₀ (4 hours, rat):

Not classified based on available information and/or concentration of components.

Serious eye damage/eye irritation:

Classified as causing serious eye damage.

1,3-Bis[3-(dimethylamino)propyl]urea	Causes serious eye damage.
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Skin corrosion/skin irritation:

Not classified based on available information and/or concentration of components.

1,3-Bis[3-(dimethylamino)propyl]urea	Causes skin irritation.

Respiratory/Skin sensitisation:

Not classified as respiratory sensitiser, but may cause an allergic skin reaction.

1,3-Bis[3-(dimethylamino)propyl]urea	May cause skin and respiratory sensitisation.
--------------------------------------	---

Germ cell mutagenicity:

Not classified based on available information and/or concentration of components.

Carcinogenicity:

Not classified based on available information and/or concentration of components.

Reproductive toxicity:

Not classified based on available information and/or concentration of components.

Specific target organ toxicity - single exposure:

Classified as respiratory irritant.

Specific target organ toxicity - repeated exposure:

Not classified based on available information and/or concentration of components.

Aspiration toxicity:

Not classified based on available information and/or concentration of components.

Likely route of administration:

Inhalation, skin contact, and ingestion.

12. Ecological information

Individual components of this mixture have been independently tested by the raw material suppliers and any known results have been presented below. The results for the individual components may not be representative of the ecological toxicity of this finished product. This finished product has not been tested to determine individual toxicological/ecological limits.

Ecology toxicity:

No adverse effect on aquatic organisms is predicted based on available information and/or concentration of components.

Persistence and degradability:

Not likely to be persistent based on available information and/or concentration of components.



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Bioaccumulative potential:

No bioaccumulation potential based on available information and/or concentration of components.

Mobility in soil:

No data available.

13. Disposal information

Waste treatment/disposal methods - unused products

Waste disposal must be in compliance with environmental protection requirements and local regulations.

Waste treatment/disposal methods - contaminated packaging

Dispose of as unused product. Empty container should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

Road transport (UNRTDG) UN number Proper shipping name Technical name Hazard class Classification code Packing group	 Not regulated as dangerous goods. Not applicable
Marine transport (IMDG) UN number Proper shipping name Technical name Hazard class EmS Packing group Marine pollutant	 Not regulated as dangerous goods. Not applicable
<u>Air transport (IATA)</u> UN number Proper shipping name Technical name Hazard class Packing group	: : UN3334 : AVIATION REGULATED LIQUID N.O.S. : Polymercaptan : 9 : Not applicable

15. Regulatory information

<u>Safety, health, and environmental regulations specific for the hazardous chemical in question</u>: Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2010 (Malaysia)

Occupational Safety and Health (Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 (Malaysia)

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (European Union)

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Occupational Safety and Health Administration (OSHA) (2006) Air Contaminants. 29 CFR 1910.1000 (United States of America)

Work Health and Safety Act 2011 (Australia)

EH40/2005 Workplace exposure limits (United Kingdom)

Chemical inventory status:

Australia AICS	: All ingredients listed or exempt.
Canada DSL	: All ingredients listed or exempt.
China IECSC	: All ingredients listed or exempt.
Korea KECI	: All ingredients listed or exempt.
Philippines PICCS	: All ingredients listed or exempt.
United States TCSA	: All ingredients listed or exempt.

16. Other information

Definitions:

Definitions.	
TWA	: Time-weighted average.
STEL	: Short-term exposure level.
OSHA	: Occupational Safe and Health Act
WEL	: Workplace exposure limits
LD ₅₀	: The minimum dose required for lethal effects in 50% of a given population of test specimens.
ppm	: part per million
bw	: body weight
NOAEL	: No-observed-adverse-effect-level
NIOSH	: National Institute for Occupational Safety and Health.
UNRTDG	: United Nations Recommendations on the Transport of Dangerous Goods
IMDG	: International Maritime Dangerous Goods
ΙΑΤΑ	: International Air Transport Association
AICS	: Australian Inventory of Chemical Substances
DSL	: Domestic Substance List
IECSC	: Inventory of Existing Chemical Substances in China.
KECI	: Korea Existing Chemicals Inventory.
HSNO	: Hazardous Substance and New Organisms
PICCS	: Philippines Inventory of Chemicals and Chemical Substances.
TSCA	: Toxic Substances Control Act.

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist. The details contained herein are based on our present state of knowledge and experience in characterising our product with regard to any possible safety requirement at the date of its publication. We do, however, pass them on without any warranty or property assurances.