



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

1.1 Product identifier

Product number and name **86143** Quickset Clear Epoxy, 40ml hanging pack
 66143 Quickset Clear Epoxy, 36ml bubble pack
Product type Adhesive

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Consumer use
Uses advised against No specific uses advised against.
 Avoid eye contact, inhalation of vapours and ingestion.

1.3 Details of the Supplier of the Safety Data Sheet

Manufactured by Pratley Polymers Manufacturing (Proprietary) Ltd
 14 Jackson Street, Factoria, Krugersdorp, 1745
 South Africa
 Tel: +27-11-955-2190 Fax: +27-11-955-3918
 www.pratleyadhesives.com

Supplied in South Africa by Pratley (Proprietary) Ltd
 14 Jackson Street, Factoria, Krugersdorp, 1745
 South Africa
 Tel: +27-11-955-2190 Fax: +27-11-955-3918
 sales@pratley.com
 www.pratleyadhesives.com

Supplied outside South Africa by Pratley Exporting (Proprietary) Ltd
 14 Jackson Street, Factoria, Krugersdorp, 1745
 South Africa
 Tel: +27-11-955-2190 Fax: +27-11-955-3918
 exports@pratley.com
 www.pratleyadhesives.com

1.4 Emergency Telephone Number

South Africa +27-11-955-2190 during office hours
 10117 All emergencies
 +27-21-689-5227 Poisons Information Centre

Europe 112 All emergencies

For detailed poison information, the national poison center, if available, should be contacted.

Australia 000 All emergencies
 13 11 26 NSW Poison Information Centre
 New Zealand 111 All emergencies
 0800 764 766 National Poisons Centre (poisons@otago.ac.nz)

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification

Material	Class	Category	Hazard Code and Statement	
RESIN	Skin Corrosion/Irritation	2	H315	Causes skin irritation.
	Eye Corrosion/Irritation	2	H319	Causes serious eye irritation.
	Skin Sensitizer	1	H317	May cause an allergic skin reaction.
	Aquatic Toxicity - Chronic	2	H411	Toxic to aquatic life with long lasting effects.
	HSNO Classification: HSR002670 (6.3A, 6.4A, 6.5B, 9.1B)			
HARDENER	Skin Corrosion/Irritation	1B	H314	Causes severe skin burns and eye damage.
	Eye Corrosion/Irritation	1	H318	Causes serious eye damage.
	Skin Sensitizer	1	H317	May cause an allergic skin reaction.
	Aquatic Toxicity - Chronic	3	H412	Harmful to aquatic life with long lasting effects.
	HSNO Classification: HSR002670 (6.5B, 8.2B, 8.3A, 9.1C)			
CURED	Not classified as hazardous.			

2.1.2 Additional information

2.2 Label Elements

Hazard Pictograms



Epoxy resin
Amine
Polymercaptan

The technical name has been replaced on the label by a name / identification that is easier for a consumer to identify. See section 16 for a comparison of the technical and alternative names used.

Signal Word **DANGER**

Hazard Statements	H314	Causes severe skin burns and eye damage.
	H317	May cause an allergic skin reaction.
	<i>H318</i>	<i>Causes serious eye damage.</i>
	H335	May cause respiratory irritation.
	<i>H411</i>	<i>Toxic to aquatic life with long lasting effects.</i>
Precautionary Statements	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P103	Read label before use.
	<i>P260</i>	<i>Do not breathe dust/fumes/gas/mist/vapours/spray.</i>
	<i>P261</i>	<i>Avoid breathing dust/fumes/gas/mist/vapours/spray.</i>

P264	Wash hands thoroughly after handling.
P272	<i>Contaminated work clothing should not be allowed out of the workplace.</i>
P273	<i>Avoid release to the environment.</i>
P280	Wear protective gloves/eye protection.
P301+P330+P331	<i>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</i>
P302+P352	<i>IF ON SKIN: Wash with plenty of soap and water.</i>
P303+P361+P353	<i>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</i>
P304+P340	<i>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</i>
P305+P351+P338	<i>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</i>
P310	<i>Immediately call a POISON CENTER or doctor/physician.</i>
P321	<i>Specific treatment (see..on this label)</i>
P332+P313	<i>If skin irritation occurs: Get medical advice/attention.</i>
P362+P364	<i>Take off contaminated clothing and wash before reuse.</i>
P363	<i>Wash contaminated clothing before re-use.</i>
P391	<i>Collect spillage.</i>
P405	<i>Store locked up.</i>
P501	Dispose of contents/container in accordance with local regulations.

Since only 6 precautionary statements are permitted on the label, the Precautionary statements in italics have been omitted from the label after consultation with the ECHA Guidance on Labelling and Packaging.

Supplemental Hazard information Not applicable

2.3 Other Hazards

None known.

SECTION 3 – Composition / Information on Ingredients

3.2 Mixtures

Hazardous Ingredients	% [weight]	CAS No.	EC No. (Index No.)	Name	Classification	H Code(s)
RESIN	90 - 100	25068-38-6	500-033-5 (603-074-00-8)	Reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin, MW ≤ 700	Skin irritation - 2 Eye irritation - 2 Skin sensitizer - 1 Aquatic Chronic - 2	H315 H319 H317 H411
HARDENER	80 - 90	72244-98-5	615-735-8	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega. hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether	Skin sensitizer - 1 Aquatic Chronic - 3	H317 H412

	5 - 7	10563-29-8	234-148-4	N'-(3-aminopropyl)-N,N-dimethylpropane-1-3-diamine	Acute toxicity (oral) - 4 Acute toxicity (dermal) - 4 Skin corrosion - 1B Skin sensitizer - 1	H302 H312 H314 H317
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For full text of H-Statements: see SECTION 16

SECTION 4 – First Aid Measures

4.1 Description of First Aid Measures

Skin	Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. 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	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.
Inhalation	Move exposed person to fresh air. Keep person warm and at rest. 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 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 collar, tie, belt or waistband.
Ingestion	Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. 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 the recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

4.2 Most important symptoms and effects, both acute and delayed

Skin	RESIN	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
	HARDENER	Brief contact may cause skin irritation. Symptoms may include pain and local redness. May cause an allergic skin reaction.
Eyes	RESIN	No known significant effect or critical hazards.
	HARDENER	Due to the viscous state of the material eye contact is unlikely during normal use. May cause irritation with corneal injury.
Inhalation	RESIN	No known significant effect or critical hazards.
	HARDENER	No relevant data found. At room temperature, exposure to vapour is minimal due to low volatility.
Ingestion	RESIN	No known significant effect or critical hazards.
	HARDENER	Low toxicity if swallowed. Swallowing may result in gastrointestinal irritation or ulceration. Swallowing may result in burns of the mouth and throat.

See SECTION 11 for more detailed information on health effects and symptoms.

SECTION 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable	Water fog, foam, extinguishing powder or carbon dioxide.
Not suitable	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	RESIN	This material is toxic to aquatic life with long term effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	HARDENER	No known significant hazards.
Hazardous thermal decomposition products	RESIN	Carbon oxides and traces of other potentially harmful products.
	HARDENER	Carbon oxides and traces of other potentially harmful products.

5.3 Advice for fire-fighters

Special precautions 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

6.1 Personal precautions, protective equipment and emergency procedures

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 walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation.

6.1.1 For non-emergency personnel

Protective equipment required	Skin	General purpose non-permeable gloves and overalls.
	Face / Eyes	Safety goggles.
	Clothing	No special requirements. Wash clothing thoroughly if contaminated.
	Ventilation	If ventilation is poor use a self-contained breathing apparatus suitable for organic vapours.
Emergency procedure	Collect and dispose of.	

6.1.2 For emergency personnel

Protective equipment required	Skin	General purpose non-permeable gloves and overalls.
	Face / Eyes	Safety goggles.
	Clothing	No special requirements. Wash clothing thoroughly if contaminated.
	Ventilation	If ventilation is poor use a self-contained breathing apparatus suitable for organic vapours.
Emergency procedure	Collect and dispose of.	

6.2 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, air). May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

6.3.1 Containment procedure

Due to the viscous nature of the material, containment is not usually necessary. If released into water, immediate collection by a suitably sized scoop is needed.

6.3.2 Clean-up procedure

Small amounts should be cured by mixing the hardener and resin together and then disposed of in accordance with local regulations.

Large amounts would need to be incinerated in accordance with local regulations.

6.3.3 Additional Information

See SECTION 13 for disposal considerations.

6.4 Reference to other sections

See SECTION 13 for disposal considerations.

SECTION 7 – Handling and storage

7.1 Precautions for safe handling

7.1.1 Recommendations for safe handling and storage

Do not eat, drink or smoke where this material is stored. Avoid release to the environment. Keep in the original container and keep tightly closed when not in use. Empty containers retain product residue and may be hazardous. Do not reuse containers.

7.1.2 Advice on general occupational hygiene

Put on appropriate personal protective equipment (see SECTION 8). Do not eat, drink or smoke when working with this material. Wash hands and face before eating, drinking or smoking. Persons with a history of skin sensitization problems should not use this product. Do not get in eyes. Avoid skin contact as much as possible. Do not ingest. Avoid breathing vapours.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in the original container protected from sources of ignition or direct sunlight in a dry, cool (10-40°C) and well-ventilated area, away from incompatible materials, food and drink. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatible materials: Strong oxidizing agents, sodium hydroxide, acids

Packaging material: Use original container.

7.3 Specific end use(s)

Not applicable.

SECTION 8 – Exposure Control / Personal Protection

8.1 Control parameters

The DNEL (Derived No-Effect Level) for humans by inhalation, ingestion and dermal routes of exposure and the PNEC (Predicted No-Effect Concentration) for environmental exposure given below are not intended to be directly used for setting workplace or general population exposure limits. Due to differences in calculation methodology the DNEL will tend to be lower (sometimes significantly) than any corresponding health based-OEL for that chemical substance. Further, although DNELs (and PNEC's) are an indication of setting risk measures, it should be recognized that these limits do not have the same regulatory application as officially endorsed government OELs.

Ingredient (CAS No.)	Route of exposure		Exposure Limit	
			Workers	Consumers
Reaction product: bisphenol-A-(epichlorhydrin) (25068-38-6)	Oral	ST, systemic	not applicable	DNEL: 0.75 mg/kg bw/day
		LT, systemic	not applicable	DNEL: 0.75 mg/kg bw/day
	Dermal	ST, systemic	DNEL: 8.3 mg/kg bw/day	DNEL: 3.6 mg/kg bw/day
		LT, systemic	DNEL: 8.3 mg/kg bw/day	DNEL: 3.6 mg/kg bw/day
	Inhalation	ST, systemic	DNEL: 12.3 mg/m ³	DNEL: 0.75 mg/m ³
		LT, systemic	DNEL: 12.3 mg/m ³	DNEL: 0.75 mg/m ³
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.- hydro-.omega. hydroxy-, ether with 2,2- bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether (72244-98-5)	Oral		not applicable	
	Dermal			
	Inhalation			
N'-(3-aminopropyl)-N,N-dimethylpropane-1-3-diamine (10563-29-8)	Oral	LT		DNEL: 200µg/kg bw/day (repeated)
	Dermal	LT	DNEL: 670µg/kg bw/day (repeated)	
	Inhalation	LT	DNEL: 3.7mg/m ³ (repeated)	DNEL: 650µg/m ³ (repeated)

Where no value is given, the information is not available or no limit has been set.

PNECs

	Fresh water	Freshwater sediments	Marine water	Marine water sediments	Food chain	Sewage treatment	Soil (agricultural)	Air	Intermittent releases
Reaction product: bisphenol-A-(epichlorhydrin) (25068-38-6)									
	3 µg/l	0.5 mg/kg dwt	0.3 µg/l	0.5 mg/kg dwt		10 mg/l			0.013 mg/l
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.- hydro-.omega. hydroxy-, ether with 2,2- bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether (72244-98-5)									
N'-(3-aminopropyl)-N,N-dimethylpropane-1-3-diamine (10563-29-8)									
	9.2µg/L	33.6µg/kg dw	920ng/L	3.36µg/kg dw	no potential for bio-accumulation	18.1mg/L	1.32µg/kg dw	no hazard identified	92µg/L

Where no value is given, the information is not available or no limit has been set.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

None required. Use in a well-ventilated area. If ventilation is poor use a self-contained breathing apparatus suitable for organic vapours.

8.2.2 Personal Protection

Skin	General purpose non-permeable gloves and overalls.
Face / Eye	Avoid eye contact. Do not touch or rub eyes after contact with product. Wash hands thoroughly with soap and water first.
Inhalation	Inhalation is unlikely due to the nature of the material. Use outdoors or in a well ventilated area.
Ingestion	Do not eat, drink or smoke while working with this product. Wash hands thoroughly with soap and water after using this product. Keep away from children.
Thermal	None required when used as instructed.
Other	Always wash hands with soap and water after use.

8.2.3 Environmental Protection

Avoid release to the environment. Contain and dispose of in accordance with local regulations.

SECTION 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	RESIN	Transparent / white viscous paste
	HARDENER	Transparent to slightly yellow viscous paste
Odour	RESIN	Not determined
	HARDENER	Like mercaptan
Odour threshold	No data available.	
pH	No data available.	
Melting point / Freezing point (°C)	No data available.	
Boiling point, initial and range (°C)	No data available.	
Flash point (°C)	No data available. Based on ingredients expected to be >100°C.	
Evaporation rate	No data available. Not expected to evaporate.	
Flammability	Not flammable.	
Flammability / Explosive limits	No data available.	
Vapour pressure	No data available.	
Vapour density	No data available.	
Density (at 23°C)	RESIN	1.1 g/ml
	HARDENER	1.2 g/ml
Solubility	RESIN	Insoluble in water
	HARDENER	Partially soluble in water.
Partition co-efficient : n-otonal / water	No data available.	
Auto-ignition temperature (°C)	No data available.	
Decomposition temperature (°C)	No data available.	

Viscosity (at 23°C)	RESIN	No data available.
	HARDENER	No data available.
Explosive properties		No data available.
Oxidizing properties		No data available.

9.2 Other information

Not applicable

SECTION 10 – Stability and Reactivity

10.1 Reactivity

RESIN	Reacts with strong oxidising agents. Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperature and above. Polymerises in contact with caustic soda. Reacts exothermically with bases, ammonia, primary and secondary amines, alcohols, water and acids.
HARDENER	No data available.

10.2 Chemical stability

RESIN	Stable under recommended storage conditions.
HARDENER	Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

RESIN	Hazardous reactions may occur under certain conditions of storage or use.
HARDENER	Hazardous reactions may occur under certain conditions of storage or use.

10.4 Conditions to avoid

RESIN	Caustic soda (sodium hydroxide) can induce vigorous polymerization at temperatures around 200°C.
HARDENER	Exposure to elevated temperatures can cause material to decompose. Reaction with carbon dioxide may form an amine carbamate. Product absorbs carbon dioxide from the air.

10.5 Incompatible materials

RESIN	Strong oxidizing agents, sodium hydroxide.
HARDENER	Strong oxidizing agents, acids, acrylates, alcohols, aldehydes, halogenated hydrocarbons, ketones, nitriles and metals such as brass, bronze, copper and copper alloys.

10.6 Hazardous decomposition products

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

SECTION 11 – Toxicological Information

11.1 Information on toxicological effects

Ingredient (CAS No.)	Toxicological effect	Conditions	Findings
reaction product of bisphenol-A- (epichlorhydrin) (25068-38-6)	Acute Toxicity - oral	mouse and rat	LD ₅₀ : >2000 mg/kg bw
	Acute Toxicity - dermal	rat and rabbit	LD ₅₀ : >2000 mg/kg bw
	Acute Toxicity - inhalation		Due to the very low vapour pressure, saturated atmosphere = 0,008ppb, meaningful acute studies could not be conducted.
	Skin Corrosion/Irritation	OECD 404, rabbit, 4H occlusive exposure	Not a skin irritant
	Serious Eye Damage/Irritation	OECD 405 GLP	Not an eye irritant. (Score of 1.7)
	Skin Sensitizer	OECD 406, guinea pig	Skin sensitizer
	Respiratory Sensitizer		No applicable data. No known significant effects or critical hazards.
	Germ Cell Mutagenicity		No data available
	Carcinogenicity	OECD 453, male mice at 100mg/kg bw, female rats at 1000mg/kg bw, dermal	No evidence of carcinogenicity
	Reproductive Toxicity	OECD 416 GLP, two-generation rat, oral gavage at 750mg/kg bw	No adverse effects
	STOT - Single Exposure		No applicable data. No known significant effects or critical hazards.
	STOT - Repeated Exposure	OECD 408, rat, oral	NOAEL: 50mg/kg/day
		OECD 408, rat, 90-day dermal (5 days/week)	NOAEL: 100mg/kg/day
Aspiration Hazard		No applicable data. No known significant effects or critical hazards.	
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega. hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether (72244-98-5)	Acute Toxicity - oral	OECD 401, rat	LD ₅₀ : 2600 mg/kg bw/day
	Acute Toxicity - dermal	OECD 402, rabbit	LD ₅₀ : >10200 mg/kg bw/day
	Acute Toxicity - inhalation	rat	LC ₅₀ : >0,1mg/L air
	Skin Corrosion/Irritation	OECD 404, rabbit	Not irritating
	Serious Eye Damage/Irritation	OECD 405, rabbit	Not irritating
	Skin Sensitizer	OECD 429, mouse	>3 LLNA, EC3 = 29% SI
	Respiratory Sensitizer		Not sensitizing
	Germ Cell Mutagenicity	OECD 471 (Ames) OECD 73 (Chromosome aberration) OECD 476 (Micronucleus)	Negative Negative Negative
	Carcinogenicity		Not classifiable
	Reproductive Toxicity		Not expected to cause reproductive or developmental effects
	STOT - Single Exposure		Not classified

	STOT - Repeated Exposure		Not classified
	Aspiration Hazard		Not an aspiration hazard
N'-(3-aminopropyl)-N,N-dimethylpropane-1-3-diamine (10563-29-8)	Acute Toxicity - oral	rat	LD ₅₀ 2169mg/kg bw
		subchronic, rat	NOAEL 41 mg/kg bw/day
	Acute Toxicity - dermal	chronic, mouse	NOAEL 56.3 mg/kg bw/day
	Acute Toxicity - inhalation	subacute, rat	NOAEC 550 mg/m ³
	Skin Corrosion/Irritation		corrosive
	Serious Eye Damage/Irritation		irritating
	Skin Sensitizer		sensitizing
	Respiratory Sensitizer		No data available
	Germ Cell Mutagenicity		No data available
	Carcinogenicity		No data available
	Reproductive Toxicity		No data available
	STOT - Single Exposure		No data available
	STOT - Repeated Exposure		No data available
	Aspiration Hazard		No data available

SECTION 12 – Ecological Information

12.1 Toxicity

Acute Toxicity Category 2 Toxic to aquatic life
 based on incorporation of >25% Acute Toxicity Category 2 ingredients
 Chronic Toxicity No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

RESIN No data available.
 HARDENER No data available.

12.4 Mobility in soil

Not mobile in soil.

12.5 Results of PBT and vPvB assessment

No PBT or vPvB assessment has been carried out. Based on the ingredients which have a low potential to bioaccumulate, it is expected that this product is not a PBT.

12.6 Other adverse effects

None known.

SECTION 13 – Disposal Considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material (uncured) and its container must be disposed of in a safe way.

- Small amounts (during personal use) React the resin and hardener portions together and, once cured, dispose of in accordance with local regulations.
- Large amounts Contain and dispose of in accordance with local regulations. Mixing large amounts of resin and hardener together creates an exothermic reaction and care should be taken to avoid uncontrolled heating and possible fire.
- EWC (Not cured) **20 01 27** MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS: separately collected fractions: paint, inks, adhesives and resins containing dangerous substances
- EWC (Cured) **20 01 28** MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS: separately collected fractions: paint, inks, adhesives and resins other than those mentioned in 20 01 27

SECTION 14 – Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class	14.4 Packing Group
ADR	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. reaction product of bisphenol-A-(epichlorhydrin); epoxy resin	9	III
RID	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. reaction product of bisphenol-A-(epichlorhydrin); epoxy resin	9	III
ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. reaction product of bisphenol-A-(epichlorhydrin); epoxy resin	9	III
IMO/IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. reaction product of bisphenol-A-(epichlorhydrin); epoxy resin	9	III
ICAO/IATA	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. reaction product of bisphenol-A-(epichlorhydrin); epoxy resin	9	III

Tariff Code 3506.10.50 Products suitable for use as glues or adhesives, put up for retail sale as glues or adhesives, not exceeding a net weight of 1 kg

14.5 Environmental hazards

Environmentally hazardous and/or Marine Pollutant Yes Chronic Category 2: Toxic to aquatic life with long lasting effects.

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPROL 73/78 and IBC Code

Not applicable as never transported in bulk.

SECTION 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH EC1907/2006 Annex XIII, XIV, XVII	The substance(s) in this product are not listed / not subject to restrictions.
International Agency for Research on Cancer (IARC)	The substance(s) in this product are not listed / not subject to restrictions.
Australia Inventory (AICS)	The substance(s) in this product are listed.
New Zealand Inventory (NZIoC)	The substance(s) in this product are listed.
Canada Domestic Substances List (DSL) / Non-Domestic Substance List (NDSL)	The substance(s) in this product are listed.
United States Inventory (TSCA 8b)	The substance(s) in this product are listed.
California Proposition 65	The substance(s) in this product are not listed / not subject to restrictions.
Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-to-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Section 112(r) of the Clean Air Act (CAA)	The substance(s) in this product are not listed / not subject to restrictions.

15.2 Chemical Safety Assessment

Not yet done.

SECTION 16 – Other Information

Full text of abbreviated H statements

- H302** Harmful if swallowed.
- H312** Harmful in contact with skin.
- H314** Causes severe skin burns and eye damage.
- 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.

H412 Harmful to aquatic life with long lasting effects.

Alternative names used for consumer packaging

CAS No.	Ingredient Name (IUPAC)	Name used on Consumer Packaging
25068-38-6	Reaction product: bisphenol-A-(epichlorhydrin)	epoxy resin
72244-98-5	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.- hydro-.omega. hydroxy-, ether with 2,2- bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether	polymercaptan
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1-3-diamine	amine

Changes from previous version

Date changed	Section	Changes
2021.03.16	2, 3, 8, 11, 16	Polymercaptan information update from supplier. Approved/ accepted CAS number and associated classification is different.
	15	Recalculation shows not corrosive for transport.
2020.03.31	1	Combined all English versions.
2020.01.20	2, 3, 8, 11	Re-evaluated hazard after additional training.
	2, 3, 11	Separated hardener and resin classification. (The label on the pack will combine the information for both parts)
	1	Confirmed emergency contact details.
	15	Confirmed regulatory information and added information for several regulations.
	16	Added list of abbreviations used.

Abbreviations used

ADN	European Agreement concerning the International Carriage of Dangerous Goods on Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS No.	Chemical Abstract Services Number
DNEL	Derived no-effect level
EC3	Effective concentration required to produce a three-fold increase in the stimulation index
EC No.	European Community Number
ECHA	European Chemicals Agency
EWC	European Waste Code
GLP	Good Laboratory Practice
HSNO	Hazardous Substances and New Organisms Act
IATA	International Air Transport Association
IBC	International Bulk Container
ICAO	International Civil Aviation Authority
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LD50	Lethal dose to 50% of test population
LLNA	Local lymph node assay

LT	Long term
mg/kg bw	miligrams per kilogram of body weight
mg/kg dwt	miligrams per kilogram dry weight
NOAEL	No observed adverse effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
RID	European Agreements Concerning the International Carriage of Dangerous Goods by Rail
SCBA	Self contained breathing apparatus
ST	Short term
STOT-SE	Specific target Organ Toxicity - Single Exposure
UN	United Nations
vPvB	very Persistent and very Bioaccumulative