

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

1.1 Product Identifier

Product number and name 64136-H PRATLEY STEEL PUTTY HARDENER, bubble pack

84136-H PRATLEY STEEL PUTTY HARDENER, hanging 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 or ingestion.

1.3 Details of Supplier of 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.pratley adhesives.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

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Europe 112 All emergencies

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

United Kingdom 999 All emergencies

111 (NHS, England, NHS 24, Scotland or NHS Direct, Wales),

0808 808 8000 (Lifeline, N. Ireland)

01 809 2166 (National Poison Information Centre, Republic of Ireland)

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)

Americas 911 All emergencies

1-800-222-1222 Poisons Help (PoisonHelp.org)

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification

Class	Category	Hazard Code and Statement		
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.	

2.1.2 Additional Information

EUH208 Contains Trientine. May produce an allergic reaction.

2.2 Label Elements

Hazard Pictogram(s), Signal Word and Ingredients



Polyamide resin Trientine TDMA-Methylphenol 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.

Hazard Statements H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Obligatory Statements Precautionary

Statements

EUH208 Contains Trientine. May produce an allergic reaction.

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.

P261 Avoid breathing vapours.

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P264	Wash	hands	thoroug	hly	after	handling.
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P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see..on this label)

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P333+P317 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents/container in accordance with local regulations.

Only the hazard statements and Precautionary statements in bold text have been included on the label in accordance with the allowed omissions set out in the ECHA Guidance on Labelling and Packaging.

2.3 Other Hazards

None known.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Ingredients	% [weight]	CAS No. EC No. Index No.	SCL, M- Factors, ATE	Classification	H / EUH Code(s)												
Non-hazardous materials	>80																
fatty acids, C18		68410-23-1		Skin Irritation – 2	H315 Causes skin												
unsaturated dimers, reaction products with polyethylenepolyamines	8 - 15	614-452-7	614-452-7	614-452-7	614-452-7	614-452-7	614-452-7	614-452-7				614-452-7	614-452-7			Eye Irritation – 2	irritation. H319 Causes serious eye irritation.
				Acute Toxicity, oral – 4	H302 Harmful if												
2,4,6- tris(dimethylaminomethyl)	3 - 4	90-72-2 202-013-9 603-069-00-0	202-013-9	202-013-9	202-013-9			Skin Irritation – 2	swallowed. H315 Causes skin irritation.								
prierio		003 003 00 0		Eye Irritation – 2	H319 Causes serious eye												
				Acute Toxicity, dermal – 4	irritation. H312 Harmful in contact with skin.												
				Skin Corrosion – 1B	H314 Causes severe skin												
3,6-		112-24-3			burns and eye damage.												
diazaoctanethylenediamin	0.5 – 1.0	203-950-6		Skin Sensitizer – 1	H317 May cause an												
triethylenetetramine		612-059-00-5			allergic skin reaction.												
				Aquatic Toxicity, chronic – 3	H412 Harmful to aquatic												
					life with long lasting												
					effects.												

The product contains <4% titanium dioxide not in powder form.

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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 Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

EYE No known significant effect or critical hazards.

INHALATION Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

INGESTION No known significant effect or critical hazards.

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 / MIXTURE Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS No specific data.

5.3 Advice for Firefighters

SPECIAL PRECAUTIONS FOR FIREFIGHTERS 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

Wear appropriate personal protective equipment. Collect and dispose of as soon as possible.

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.

6.1.2 For emergency personnel

Wear appropriate personal protective equipment. Collect and dispose of as soon as possible.

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.

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 Method 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.

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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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

Incompatible Materials: Strong oxidizing agents and 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.

DNEL

Ingredient	Route of exposure		Exposure Limit			
(CAS No,)			Workers	Consumers		
		ST	Not applicable.	No hazard identified		
fatty acids, C18	Oral	LT	Not applicable	DNEL: 560 μg/kg bw/day (repeated dose)		
unsaturated dimers,		ST	High hazard (no threshold derived)	High hazard (no threshold derived)		
reaction products with polyethylenepolyamines (68410-23-1)	Dermal	LT	DNEL: 1.1 mg/kg bw/day (repeated dose)	DNEL: 560 μg/kg bw/day (repeated dose)		
	Inhalation	ST	Hazard unknown.	Hazard unknown.		
		LT	DNEL: 3.9 mg/m³ (repeated dose)	DNEL: 970 μg/m³ (repeated dose)		
2.4.6	Oral		No data available.	No data available.		
2,4,6- tris(dimethylaminomethyl) phenol	Dermal		Medium hazard (No threshold derived)	Medium hazard (No threshold derived)		
(90-72-2)	Inhalation		Medium hazard (No threshold derived)	Medium hazard (No threshold derived)		
3,6- diazaoctanethylenediamin triethylenetetramine (112-24-3)			No data available.	No data available.		

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PNEC

Fresh water	Freshwater sediments	Marine water	Marine water sediments	Food chain	Sewage treatment	Soil (agricultural)	Air	Intermittent releases
fatty acids, C1	8 unsaturated d	imers, reaction	products with p	olyethylenepoly	amines (68410 -	23-1)		
4.11μg/L	411.01mg/k g dw	411ng/L	41.1mg/kg dw	no potential for bio- accumulation	3.14mg/L	82.18mg/kg dw	no hazard identified	41.1μg/L
2,4,6-tris(dime	2,4,6-tris(dimethylaminomethyl) phenol (90-72-2)							
No data available	No data available	No data available	No data available	No data available	No data available	No data available	No data available	No data available
3,6-diazaoctanethylenediamin triethylenetetramine (112-24-3)								
No data available	No data available	No data available	No data available	No data available	No data available	No data available	No data available	No data available

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.

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 This 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 physical and chemical properties

Physical State Soft rectangular stick

Colour Grey

Odour Like ammonia

Melting point / Freezing point (°C) -60°C for polyamide resin portion and -20°C for TDMA-Methylphenol

portion. No other data available.

Boiling point, initial and range (°C) 400°C for polyamide resin portion and 156°C for TDMA-Methylphenol

portion. No other data available.

Flammability Not flammable.

Explosion / Flammability limits No data available.

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Flash point (°C), closed cup 149°C for TDMA-Methylphenol portion. No other data available.

Auto-ignition temperature (°C) No data available.

Decomposition temperature (°C) No data available.

pH No data available.

Kinematic Viscosity (at 23°C) No data available.

Solubility 40mg/L for polyamide resin portion and 850g/L for TDMA-Methylphenol

portion. No other data available.

Partition co-efficient: n-octanol / water Log Kow 12.31 @25°C for polyamide resin portion and -0.66 @ 21.5°C for

TDMA-Methylphenol portion. No other data available.

Vapour pressure No data available.

Density and/or Relative density (at 23°C) 2.0 g/cm³

Relative Vapour density No data available.

Particle characteristics No data available.

9.2 Other information

9.2.1 Information with regards to physical Hazard Classes

No additional information available.

9.2.2 Other Safety Characteristics

No additional information available.

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Reacts with strong oxidising agents and acids.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

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

10.4 Conditions to Avoid

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

Strong oxidizing agents and acids.

10.6 Hazardous Decomposition Products

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

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SECTION 11 – TOXOLOGICAL INFORMATION

11.1 Information on Hazard Classes

Ingredient	Toxicological	Findings
(CAS No.)	effect	Findings
fatty acids, C18 unsaturated dimers, reaction products with	Acute Toxicity - oral	NOAEL LD ₅₀ : 2000 mg/kg bw
polyethylenepolyamines (68410-23-1)	Acute Toxicity - dermal	NOAEL LD ₅₀ : 2000 mg/kg bw
, ,	Acute Toxicity - inhalation	No data available.
	Skin Corrosion/ Irritation	Adverse effects observed – irritating.
	Serious Eye Damage/ Irritation	Adverse effects observed – irritating.
	Skin Sensitizer	Adverse effects observed – sensitizing.
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	No data available.
	Carcinogenicity	No data available.
	Reproductive Toxicity	NOAEL (oral): 1000mg/kg bw/day (subacute, rat)
	Developmental / Teratogenetic Toxicity	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	NOAEL (oral): 1000mg/kg bw/day (subacute, rat)
	Aspiration Hazard	No data available.
2,4,6- tris(dimethylaminomethyl)	Acute Toxicity - oral	NOAEL LD ₅₀ (rabbit): 2169mg/kg bw
phenol (90-72-2)	Acute Toxicity - dermal	LD ₅₀ (rabbit): 1242mg/kg bw
	Acute Toxicity - inhalation	No data available.
	Skin Corrosion/ Irritation	Adverse effects observed – Corrosive.
	Serious Eye Damage/ Irritation	Adverse effects observed – irreversible damage.
	Skin Sensitizer	No adverse effects observed – not sensitising.
	Respiratory Sensitizer	No data available.

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	Germ Cell	InVitro: No adverse effect observed (negative)
	Mutagenicity	mivitio. No adverse effect observed (flegative)
	Carcinogenicity	No data available.
	Reproductive Toxicity	No data available.
	Developmental / Teratogenetic Toxicity	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	No data available.
	Aspiration Hazard	No data available.
3,6- diazaoctanethylenediamin	Acute Toxicity - oral	No data available.
triethylenetetramine (112-24-3)	Acute Toxicity - dermal	No data available.
	Acute Toxicity - inhalation	No data available.
	Skin Corrosion/ Irritation	No data available.
	Serious Eye Damage/ Irritation	No data available.
	Skin Sensitizer	No data available.
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	No data available.
	Carcinogenicity	No data available.
	Reproductive Toxicity	No data available.
	Developmental / Teratogenetic Toxicity	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	No data available.
	Aspiration Hazard	No data available.
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	No data available.
	Aspiration Hazard	No data available.

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11.2 information on Other Hazards

11.2.1 Endocrine Disrupting Properties

This product contains no ingredients listed as an endocrine disruptor on EDL List I (identified), List II (under evaluation for), or List III (has ED properties).

11.2.2 Other Information

No additional information available.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Not classified as hazardous to the environment.

Please see Section 8.1 for PNECs on individual ingredients.

12.2 Persistance and Biodegradability

No data available.

12.3 Bioaccumulative Potential

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 Endocrine Disrupting Properties

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in Section B of Regulation (EU) No 2017/100.

12.7 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 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

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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		Not classified as hazardous.			
RID		Not classified as hazardous.			
ADN	Not classified as hazardous.				
IMO/IMDG		Not classified as hazardous.			
ICAO/IATA		Not classified as hazardous.			

14.5 Environmental Hazards

Not classified as hazardous to the environment.

14.6 Special Precautions for User

None known.

14.7 Maritime Transport in Bulk According to IMO instruments

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 of Industrial Chemicals (AIIC) 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)

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.

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SECTION 16 – OTHER INFORMATION

Alternative names used on consumer packaging:

CAS No.	Ingredient Name (IUPAC)	Name used on Consumer Packaging
68410-23-1	fatty acids, C18 unsaturated dimers, reaction products with polyethylenepolyamines	Polyamide resin
90-72-2	2,4,6-tris(dimethylaminomethyl) phenol	TDMA-Methylphenol
112-24-3	3,6-diazaoctanethylenediamin triethylenetetramine	Trientine

Changes from previous version:

Date changed	Section	Changes
2021.11.08	1, 2, 3, 9, 11, 12, 14	Major changes to comply with updated Regulation (EU) 2020/878. Separate SDS for Resin and Hardener.
2021.03.24	2, 3, 8, 11, 12, 16	New information for Hardener ingredients - reclassification.
2020.03.31	1	Combined all English versions.
2019.12.03	3.2, 8.1, 11.1, 16	Ingredient information change. CAS No 25036-25-3 replaced with 25068-38-6, as per supplier.
	12.1, 14.5	Mistake corrected: Environmental hazard is category 2 not category 3.
	16	Modified data to indicate if listed or not and possible restrictions.
2019.06.03	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
ATE	Acute Toxicity Estimate
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
GCL	Generic concentration limit
GLP	Good Laboratory Practice

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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 OrganizationLD50 Lethal dose to 50% of test population

LLNA Local lymph node assay

LT Long term

mg/kg bw milligrams per kilogram of body weightmg/kg dwt milligrams per kilogram dry weight

NOAEL No observed adverse effect level

OECD Organisation for Economic Co-operation and Development

OEL Occupational Exposure Limit

PBT Persistant, 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

SCL Specific Concentration Limit

ST Short term

STOT-SE Specific target Organ Toxicity - Single Exposure

UN United Nations

vPvB very Persistant and very Bioaccumulative