SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

1.1 Product Identifier

Product number and name	**68070-R PRATLEY SP001 HARDENER, bubble pack**
	83230-R PRATLEY SP001 HARDENER, 500ml kit
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 skin and 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.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 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	
Acute Toxicity, oral	4	H302	Harmful if swallowed.
Skin Corrosion/Irritation	1	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.
Reproductive Toxicity	2	H361	Suspected of damaging fertility or the unborn child.
Aquatic Toxicity - Acute	1	H400	Very toxic to aquatic life.
Aquatic Toxicity - Chronic	1	H410	Very toxic to aquatic life with long lasting effects.

2.1.2 Additional Information

EUH208 Contains trimethyl hexamethylene diamine. May produce an allergic reaction.

2.2 Label Elements

Hazard Pictogram(s), Signal Word and Ingredients

DANGER

Trimethyl hexamethylene diamine
Nonylphenol

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

H302 **Harmful if swallowed.**

H314 **Causes severe skin burns and eye damage.**

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H361 **Suspected of damaging fertility or the unborn child.**

H400 Very toxic to aquatic life.

H410 **Very toxic to aquatic life with long lasting effects.**

Obligatory Statements	EUH208	**Contains trimethyl hexamethylene diamine. May produce an allergic reaction.**
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.**
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
	P261	Avoid breathing vapours.
	P264	**Wash hands thoroughly after handling.**
	P270	Do not eat drink or smoke when using this product.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P273	Avoid release to the environment.
	P280	**Wear protective gloves/eye protection.**
	P301 + P302	IF SWALLOWED: Call a POISON CENTER / doctor.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313	If exposed or concerned: Get medical advice/attention.
	P310	Immediately call a POISON CENTER/doctor.
	P321	Specific treatment (see..on this label)
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364	Take off contaminated clothing and wash before reuse.
	P363	Wash contaminated clothing before reuse.
	P391	Collect spillage.
	P405	Store locked up.
	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

Nonylphenol is identified as an endocrine disruptor, is under assessment as a PBT, and is listed under REACH Annex XVII and EPCRA 313.

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)
4-nonylphenol, branched	70 - 75	84852-15-3 284-325-5 601-053-00-8		Acute Toxicity (oral) – 4 Skin Corrosion – 1B Reproductive Toxicity – 2 Aquatic Toxicity, acute – 1 Aquatic Toxicity, chronic – 1	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H361 Suspected of damaging fertility or the unborn child. H402 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Trimethyl hexamethylene diamine	22 - 25	25513-64-8 247-063-2 -		Acute Toxicity (oral) – 4 Skin Corrosion – 1A Skin Sensitizer – 1A Eye Damage - 1	H302 Harmful if swallowed. H314 Causes sever skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage.
Non-hazardous ingredients	4 - 7				

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 Brief contact may cause skin irritation and/or burns. Symptoms may include pain and local redness. May cause an allergic skin reaction.

EYE May cause irritation and/or burns.

INHALATION May cause irritation and/or burns to respiratory tract (upper and lower).

INGESTION Swallowing may result in gastrointestinal irritation or ulceration. Swallowing may result in burns of the mouth and/or throat.

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 and ammonia 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 and ammonia 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). Very toxic to the environment.

6.3 Method and material for containment and cleaning up

6.3.1 Containment procedure

Absorb with sand or other non-combustible material.

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

Incompatible Materials:	Strong oxidizing agents, acids, acrylates, alcohols, aldehydes, ammonia, carbon dioxide, carbon monoxide, halogenated hydrocarbons, ketones, nitriles and metals such as brass, bronze, zinc, and copper as well as their alloys.
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 (CAS No,)	Route of exposure		Exposure Limit	
			Workers	Consumers
4-nonylphenol, branched (84852-15-3)	Oral	ST	Not applicable	DNEL, systemic: 400 µg/kg bw/day
		LT	Not applicable	DNEL, systemic: 80 µg/kg bw/day (repeated dose)
	Dermal	ST	DNEL, systemic: 15 mg/kg bw/day (repeated dose)	DNEL, systemic: 7.6 mg/kg bw/day
		LT	DNEL, systemic: 7.5 mg/kg bw/day (repeated dose)	DNEL, systemic: 3.8 mg/kg bw/day (repeated dose)
	Inhalation	ST	DNEL, systemic: 1 mg/m^3	DNEL, systemic: 800 µg/m^3
		LT	DNEL, systemic: 500 µg/m^3	DNEL, systemic: 400 µg/m^3
Trimethyl hexamethylene diamine (25513-64-8)	Oral	ST	Not applicable	DNEL, systemic: 50 µg/kg bw/day
		LT	Not applicable	No data available
	Dermal	ST	High hazard (no threshold derived)	No data available
		LT	High hazard (no threshold derived)	No data available
	Inhalation	ST, local	High hazard (no threshold derived)	No data available
		ST, systemic	No hazard identified	No data available
		LT, local	High hazard (no threshold derived)	No data available
		LT, systemic	No hazard identified	No data available

PNEC

Fresh water	Freshwater sediments	Marine water	Marine water sediments	Food chain	Sewage treatment	Soil (agricultural)	Air	Intermittent releases
4-nonylphenol, branched **(84852-15-3)**								
610 ng/L	4.62 mg/kg dw	570 ng/L	1.23 mg/kg dw	2.36 mg/kg	9.5mg/L	2.3 mg/kg dw	no hazard identified	170 ng/L
Trimethylhexamethylenediamine **(25513-64-8)**								
102 µg/L	622 µg/kg dw	10.2 µg/L	62 µg/kg dw	No potential for bio-accumulation	72 mg/L	10 mg/kg soil dw	no hazard identified	315 µg/L

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	Liquid
Colour	Clear to slightly orange/pink
Odour	Like ammonia
Melting point / Freezing point (°C)	No data available. -7°C for nonylphenol portion. -20°C for trimethylhexamethylenediamine portion.
Boiling point, initial and range (°C)	No data available. 302°C for nonylphenol portion. 236.1°C for trimethylhexamethylenediamine portion.
Flammability	Not flammable.
Explosion / Flammability limits	No data available.
Flash point (°C), closed cup	No data available. 154°C for nonylphenol portion. 107°C for trimethylhexamethylenediamine portion.
Auto-ignition temperature (°C)	No data available. 365°C for trimethylhexamethylenediamine portion.
Decomposition temperature (°C)	No data available.
pH	No data available.
Kinematic Viscosity (at 23°C)	45000 cSt
Solubility	No data available.
Partition co-efficient : n-octanol / water	No data available.
Vapour pressure	No data available.
Density and/or Relative density (at 23°C)	0.90 g/cm^3
Relative Vapour density	No data available.
Particle characteristics	Not applicable.

9.2 Other information

9.2.1 Information with regards to physical Hazard Classes

No additional information available.

9.2.2 Other Safety Characteristics

Contains nonylphenol that is identified as an endocrine disruptor and is under assessment as a PBT.

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, acids, acrylates, alcohols, aldehydes, ammonia, carbon dioxide, carbon monoxide, halogenated hydrocarbons, ketones, nitriles and metals such as brass, bronze, zinc, and copper as well as their alloys.

10.6 Hazardous Decomposition Products

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

SECTION 11 – TOXOLOGICAL INFORMATION

11.1 Information on Hazard Classes

Ingredient (CAS No.)	Toxicological effect	Findings
4-nonylphenol, branched **(84852-15-3)**	Acute Toxicity - oral	No data available.
	Acute Toxicity - dermal	No data available.
	Acute Toxicity - inhalation	No data available.
	Skin Corrosion/ Irritation	Adverse effects observed (corrosive).
	Serious Eye Damage/ Irritation	Adverse effects observed (Irritating).
	Skin Sensitizer	No adverse effects observed (not sensitizing).
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	No data available.
	Carcinogenicity	No data available.
	Reproductive Toxicity	No data available.
	Developmental / Teratogenetic Toxicity	ORAL - NOAEL 300 mg/kg bw/day (subacute, rat)
	STOT - Single Exposure	No data available.
	STOT - Repeated Exposure	For oral testing: NOAEL (rat): 10 - 100 mg/kg bw/day NOAEL (rat): 650 ppm LOAEL (rat): 50 - 400 mg/kg bw/day LOAEL (rat): 2 000 ppm
	Aspiration Hazard	No data available.

Trimethyl hexamethylenediamine **(25513-64-8)**	Acute Toxicity - oral	No data available.
	Acute Toxicity - dermal	No data available.
	Acute Toxicity - inhalation	No data available.
	Skin Corrosion/ Irritation	Adverse effect observed (corrosive).
	Serious Eye Damage/ Irritation	Adverse effect observed (irreversible damage).
	Skin Sensitizer	Adverse effect observed (sensitizing).
	Respiratory Sensitizer	No data available.
	Germ Cell Mutagenicity	IN-VITRO: No adverse effect observed (negative) IN-VIVO: No adverse effect observed (negative)
	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.

11.2 Information on Other Hazards

11.2.1 Endocrine Disrupting Properties

This product contains nonylphenol listed as an endocrine disruptor on EDL List I (identified).

11.2.2 Other Information

No additional information available.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Classified as Aquatic Toxicity – Acute category 1 as well as Aquatic Toxicity – Chronic category 1 based on. >25% Category 1 ingredients.

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 readily mobile in soil.

12.5 Results of PBT and vPvB assessment

No PBT or vPvB assessment has been carried out. Contains nonylphenol which is under assessment as a PBT.

12.6 Endocrine Disrupting Properties

This substance contains endocrine disrupting ingredients (nonylphenol).

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
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	UN2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. contains 2,2,4(or 2,4,4-)trimethyl-hexane-1,5 diamine	8	I
RID	UN2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. contains 2,2,4(or 2,4,4-)trimethyl-hexane-1,5 diamine	8	I
ADN	UN2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. contains 2,2,4(or 2,4,4-)trimethyl-hexane-1,5 diamine	8	I
IMO/IMDG	UN2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. contains 2,2,4(or 2,4,4-)trimethyl-hexane-1,5 diamine	8	I
ICAO/IATA	UN2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. contains 2,2,4(or 2,4,4-)trimethyl-hexane-1,5 diamine	8	I

14.5 Environmental Hazards

Classified as Aquatic Toxicity, Acute category 1 as well as Aquatic Toxicity, Chronic category 1.

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 This substance contains nonylphenol which is under assessment for Annex XIII, is on the Candidate List for Annex XIV, and is listed in Annex XVII.
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 contains nonylphenol that is listed under EPCRA 313.

15.2 Chemical Safety Assessment

Not yet done.

SECTION 16 – OTHER INFORMATION

Alternative names used on consumer packaging:

CAS No.	Ingredient Name (IUPAC)	Name used on Consumer Packaging
84852-15-3	4-nonylphenol, branched	Nonylphenol
25513-64-8	2,2,4(or 2,4,4-)trimethyl-hexane-1,5 diamine	Trimethyl Hexamethylenediamine

Changes from previous version:

Date changed	Section	Changes
2023.06.20	1, 2, 3, 8, 9, 11, 12, 14, 16	Major changes to comply with updated Regulation (EU) 2020/878. Separate SDS for Resin and Hardener.
2018.05.18	1	Combined all English versions.
2014.10.14		Changed to GHS and separated from other epoxy adhesives.
2009.05.07		Initial document

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
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	milligrams per kilogram of body weight
mg/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