



SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

1.1 Product Identifier

Product number and name	62008-B PRATLEY EZEEBOND PART B, bubble pack 92008-B PRATLEY EZEEBOND PART B, 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.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
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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),

0800 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	
Flammable	2	H225	Highly flammable liquid and vapour.
Acute Toxicity, oral	5	H303	May be harmful if swallowed.
Acute Toxicity, dermal	5	H313	May be harmful in contact with skin.
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.
Carcinogen	2	H351	Suspected of causing cancer.
STOT-SE	3	H335	May cause respiratory irritation.
Aquatic Toxicity - Acute	2	H401	Toxic to aquatic life.
Aquatic Toxicity - Chronic	3	H412	Harmful to aquatic life with long lasting effects.

2.1.2 Additional Information

EUH208 Contains methyl methacrylate, glycol methacrylate and quinol. May produce an allergic reaction.

2.2 Label Elements

Hazard Pictogram(s),
Signal Word and
Ingredients



DANGER

**Methacrylic acid
Benzoylthiourea
BHT**

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

H225 **Highly flammable liquid and vapour.**

H303 **May be harmful if swallowed.**

	H313	May be harmful in contact with skin.
	H314	Causes severe skin burns and eye damage.
	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
	H335	May cause respiratory irritation.
	H351	Suspected of causing cancer.
	H401	Toxic to aquatic life.
	H412	Harmful to aquatic life with long lasting effects.
Obligatory Statements	EUH208	Contains methyl methacrylate, glycol methacrylate and quinol. 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.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233	Keep container tightly closed.
	P235	Keep cool.
	P240	Ground and bond container and receiving equipment.
	P241	Use explosion proof [electrical/ventilating/lighting/...] equipment
	P242	Use non-sparking tools
	P243	Take action to prevent static discharge.
	P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
	P261	Avoid breathing vapours.
	P264	Wash hands thoroughly after handling.
	P271	Use only outdoors or in a well ventilated area.
	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+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+P313	IF ON SKIN: Get medical help.
	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.
	P312	Call a POISON CENTER/doctor/ ... if you feel unwell.
	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.
- P370+P378 In case of fire: Use... to extinguish.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- 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

Contains substance(s) under assessment as an endocrine disruptor.

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)
methyl methacrylate	45 - 65	80-62-6 201-297-1 607-035-00-6		Flammable liquid – 2 Skin irritation – 2 Skin sensitizer – 1 STOT-SE – 3 Obligatory	H225 Highly flammable liquid and vapour H315 Causes skin irritation. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. EUH208 Contains methyl methacrylate. May produce an allergic reaction.
methacrylic acid	12 - 15	79-41-4 201-204-4 607-088-00-5	STOT SE 3; H335: C ≥ 1 %	Acute Toxicity, oral – 4 Acute Toxicity, dermal – 4 Skin Corrosion – 1A	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage.
2-hydroxyethyl methacrylate	15 - 25	868-77-9 212-782-2 607-124-00-X		Skin irritation – 2 Eye irritation – 2 Skin sensitizer – 1 Obligatory	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. EUH208 Contains glycol methacrylate. May produce an allergic reaction.
benzamide, N-(aminothioxomethyl)-	0.5 – 1.5	614-23-3 449-480-7 -		Acute toxicity, inhalation – 4 Skin sensitizer - 1	H332 Harmful if inhaled. H317 May cause an allergic skin reaction.
2,6-di-tert-butyl-p-cresol	< 0.5	128-37-0 204-881-4 -	M(Chronic) = 1	Aquatic Toxicity, chronic – 1	H410 Very toxic to aquatic life with long lasting effects.
hydroquinone	< 0.3	123-31-9 204-617-8 604-05-00-4	M=10	Acute Toxicity, oral – 4 Eye Corrosion – 1	H302 Harmful if swallowed. H318 Causes serious eye damage.

The information provided is correct to the best of our knowledge. The information is designed only as a guide and is not considered as a warranty. We do not accept any liability arising from the use of information provided herein.

				Skin sensitizer – 1 Mutagen – 2 Carcinogen – 2 Aquatic Toxicity, acute – 1	H317 May cause an allergic reaction. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H400 Very toxic to aquatic life.
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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 Corrosive effects. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

EYE Corrosive effects.

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

INGESTION Irritation or corrosive effects.

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. Reignition may occur.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS Oxides of carbon.

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. Reignition may occur.

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). Very toxic to the environment.

6.3 Method and material for containment and cleaning up

6.3.1 Containment procedure

Absorb with inert material and collect for disposal. 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 parts A and B 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 (10-30°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: Amines, Strong bases, Strong acids, Oxidizing agents, Peroxides.

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
methyl methacrylate (80-62-6)	Oral	ST, Local	Not applicable	No data available
		ST, systemic	Not applicable	No hazard identified
		LT, Local	Not applicable	No data available
		LT, systemic	Not applicable	DNEL: 8.2 mg/kg bw/day (repeated dose)
	Dermal	ST, local	DNEL: 1.5 mg/cm ² (sensitization)	DNEL: 1.5 mg/cm ² (sensitization)
		ST, systemic	No hazard identified.	No hazard identified.
		LT, Local	DNEL: 1.5 mg/cm ² (sensitization)	DNEL: 1.5 mg/cm ² (sensitization)
		LT, systemic	DNEL: 13.67 mg/kg bw/day (repeated dose)	DNEL: 8.2 mg/kg bw/day (repeated dose)

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	Inhalation	ST, Local	DNEL: 416 mg/m ³ (repeated dose)	DNEL: 208 mg/m ³ (repeated dose)	
		ST, systemic	No hazard identified.	No hazard identified.	
		LT, Local	DNEL: 208 mg/m ³ (repeated dose)	DNEL: 104 mg/m ³ (repeated dose)	
		LT, systemic	DNEL: 348.4 mg/m ³ (repeated dose)	DNEL: 74.3 mg/m ³ (repeated dose)	
methacrylic acid (79-41-4)	Oral	ST, Local	Not applicable	No data available	
		ST, systemic	Not applicable	Low hazard (no threshold derived)	
		LT, Local	Not applicable	No data available	
		LT, systemic	Not applicable	DNEL: 5.35 mg/kg bw/day (repeated dose)	
	Dermal	ST, Local	High hazard (no threshold derived)	High hazard (no threshold derived)	
		ST, systemic	Medium hazard (no threshold derived)	Medium hazard (no threshold derived)	
		LT, Local	DNEL: 380 µg/cm ² (skin irritation/corrosion)	DNEL: 230 µg/cm ² (skin irritation/corrosion)	
		LT, systemic	DNEL: 4.25 mg/kg bw/day (repeated dose)	DNEL: 5.35 mg/kg bw/day (repeated dose)	
	Inhalation	ST, Local	High hazard (no threshold derived)	High hazard (no threshold derived)	
		ST, systemic	Low hazard (no threshold derived)	Low hazard (no threshold derived)	
		LT, Local	DNEL: 44 mg/m ³ (respiratory irritation)	DNEL: 8.8 mg/m ³ (respiratory irritation)	
		LT, systemic	DNEL: 39.3 mg/m ³ (repeated dose)	DNEL: 11.7 mg/m ³ (repeated dose)	
	2-hydroxyethyl methacrylate (868-77-9)	Oral	ST, Local	Not applicable	No hazard identified
			ST, systemic	Not applicable	No hazard identified
			LT, Local	Not applicable	No hazard identified
			LT, systemic	Not applicable	DNEL: 1.45 mg/m ³ (repeated dose)
Dermal		ST, Local	No hazard identified	No hazard identified	
		ST, systemic	No hazard identified	No hazard identified	
		LT, Local	No hazard identified	No hazard identified	
		LT, systemic	DNEL: 1.39 mg/kg bw/day (repeated dose)	DNEL: 830 µg/m ³ (repeated dose)	
Inhalation		ST, Local	No hazard identified	No hazard identified	
		ST, systemic	No hazard identified	No hazard identified	
		LT, Local	No hazard identified	No hazard identified	
		LT, systemic	DNEL: 4.9 mg/m ³ (repeated dose)	DNEL: 1.45 mg/m ³ (repeated dose)	
benzamide, N-(aminothioxomethyl)- (614-23-3)	Oral	ST, Local	Not applicable	No data available	
		ST, systemic	Not applicable	No data available	
		LT, Local	Not applicable	No data available	
		LT, systemic	Not applicable	No data available	
	Dermal	ST, Local	No data available	No data available	
		ST, systemic	No data available	No data available	
		LT, Local	No data available	No data available	
		LT, systemic	No data available	No data available	

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	Inhalation	ST, Local	No data available	No data available
		ST, systemic	No data available	No data available
		LT, Local	No data available	No data available
		LT, systemic	No data available	No data available
2,6-di-tert-butyl-p-cresol (128-37-0)	Oral	ST, Local	Not applicable	No data available
		ST, systemic	Not applicable	No hazard identified
		LT, Local	Not applicable	No data available
		LT, systemic	Not applicable	DNEL: 250 µg/kg bw/day (repeated dose)
	Dermal	ST, Local	No hazard identified.	No hazard identified.
		ST, systemic	No hazard identified.	No hazard identified.
		LT, Local	No hazard identified.	No hazard identified.
		LT, systemic	DNEL: 500 µg/kg bw/day (repeated dose)	DNEL: 250 µg/kg bw/day (repeated dose)
	Inhalation	ST, Local	No data available	No data available
		ST, systemic	No data available	No data available
		LT, Local	No data available	No data available
		LT, systemic	DNEL: 1.76 mg/kg bw/day (repeated dose)	DNEL: 435 µg/kg bw/day (repeated dose)
Hydroquinone (123-31-9)	Oral	ST, Local	Not applicable	No data available
		ST, systemic	Not applicable	Low hazard (no threshold derived)
		LT, Local	Not applicable	No data available
		LT, systemic	Not applicable	DNEL: 600 µg/kg bw/day (carcinogenicity)
	Dermal	ST, Local	Medium hazard (no threshold derived)	Medium hazard (no threshold derived)
		ST, systemic	No hazard identified	No hazard identified
		LT, Local	Medium hazard (no threshold derived)	Medium hazard (no threshold derived)
		LT, systemic	DNEL: 3.33 mg/kg bw/day (carcinogenicity)	DNEL: 1.66 mg/kg bw/day (carcinogenicity)
	Inhalation	ST, Local	No data available	No data available
		ST, systemic	No hazard identified	No hazard identified
		LT, Local	No data available	No data available
		LT, systemic	DNEL: 12.3 mg/m ³ (carcinogenicity)	DNEL: 1.05 mg/m ³ (carcinogenicity)

PNEC

Fresh water	Freshwater sediments	Marine water	Marine water sediments	Food chain	Sewage treatment	Soil (agricultural)	Air	Intermittent releases
methyl methacrylate (80-62-6)								
940 µg/L	10.2 mg/kg sediment dw	94 µg/L	102 µg/kg sediment dw	No bio-accumulation potential	10 mg/L	1.48 mg/kg soil dw	No hazard identified	940 µg/L

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methacrylic acid (79-41-4)								
820 µg/L	3.09 mg/kg dw	82 µg/L	309 µg/kg dw	No potential for bio-accumulation	100 mg/L	137 µg/kg dw	No hazard identified	450 µg/L
2-hydroxyethyl methacrylate (868-77-9)								
482 µg/L	3.79 mg/kg dw	48.2 µg/L	3.79 mg/kg dw	No bio-accumulation potential	10 mg/L	476 µg/kg soil dw	No hazard identified	1 mg/L
benzamide, N-(aminothioxomethyl)- (614-23-3)								
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
2,6-di-tert-butyl-p-cresol (128-37-0)								
199 ng/L	458.19 µg/kg dw	19.9 ng/L	45.82 µg/kg dw	16.67 mg/kg food	17 µg/L	53.9 µg/kg soil dw	No hazard identified	1.99 µg/L
Hydroquinone (123-31-9)								
570 ng/L	4.9 µg/kg sediment dw	57 ng/L	490 ng/kg sediment dw	No bio-accumulation potential	710 µg/L	640 ng/kg soil dw	No hazard identified	1.34 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	Viscous (thick) liquid
Colour	Pink
Odour	Sweet, pungent
Melting point / Freezing point (°C)	Technically impossible to determine for mixtures. -48°C for methyl methacrylate portion.
Boiling point, initial and range (°C)	100.36°C for methyl methacrylate portion.
Flammability	Highly flammable.
Explosion / Flammability limits	No data available.
Flash point (°C), closed cup	10°C for methyl methacrylate portion.

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Auto-ignition temperature (°C)	435°C for methyl methacrylate portion.
Decomposition temperature (°C)	No data available. SADT 70°C for cumene hydroperoxide portion.
pH	No data available.
Kinematic Viscosity (at 23°C)	3000 cSt.
Solubility	15.3 g/L @ 20 °C for methyl methacrylate portion.
Partition co-efficient : n-octanol / water	Log Kow 1.38 @20°C for methyl methacrylate portion.
Vapour pressure	37 hPa @ 20°C for methyl methacrylate portion
Density and/or Relative density (at 23°C)	1.0 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

Exothermic reaction when mixed with Part A. Possible fire hazard.

9.2.2 Other Safety Characteristics

Contains substance(s) under assessment as an endocrine disruptor.

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Reacts with Amines, Strong bases, Strong acids, Oxidizing agents, and Peroxides.

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. Avoid open flames, welding arcs, or other high temperature sources.

10.5 Incompatible Materials

Amines, Strong bases, Strong acids, Oxidizing agents, Peroxides.

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
methyl methacrylate (80-62-6)	Acute Toxicity - oral	No adverse effect observed LD50, rat 7900 mg/kg bw
	Acute Toxicity - dermal	No adverse effect observed LD50, rabbit 5000 mg/kg bw
	Acute Toxicity - inhalation	No adverse effect observed LC50 (4h), rat 29.8 mg/L air
	Skin Corrosion/Irritation	Adverse effect observed (irritating).
	Serious Eye Damage/Irritation	No adverse effect observed (not irritating)
	Skin Sensitizer	Adverse effect observed (sensitising)
	Respiratory Sensitizer	No adverse effect observed (not sensitising)
	Germ Cell Mutagenicity	InVitro: No adverse effect observed (negative) InVivo: No adverse effect observed (negative)
	Carcinogenicity	ORAL: No adverse effect observed NOAEL 90.3 mg/kg bw/day (chronic, rat) INHALATION: No adverse effect observed NOAEC 2050 mg/m ³ (chronic, rat)
	Reproductive Toxicity	No applicable toxicity data. No known significant effects or critical hazards.
	Developmental / Teratogenetic Toxicity	ORAL: No adverse effect observed NOAEL 450 mg/kg bw/day (subacute, rabbit) INHALATION: No adverse effect observed NOAEC 8 300 mg/m ³ (subacute, rat)
	STOT - Single Exposure	No applicable toxicity data. No known significant effects or critical hazards.
	STOT - Repeated Exposure	ORAL: No adverse effect observed NOAEL 124 mg/kg bw/day (chronic, rat) INHALATION, SYSTEMIC: No adverse effect observed NOAEC 2 080 mg/m ³ (chronic, rat) INHALATION, LOCAL: Adverse effect observed NOAEC 104 mg/m ³ (chronic, rat)
Aspiration Hazard	No applicable toxicity data. No known significant effects or critical hazards.	
methacrylic acid (79-41-4)	Acute Toxicity - oral	Adverse effect observed LD50 1320 mg/kg bw
	Acute Toxicity - dermal	Adverse effect observed LD50 500 mg/kg bw
	Acute Toxicity - inhalation	Adverse effect observed LC50 7.1 mg/L air
	Skin Corrosion/Irritation	Adverse effect observed (corrosive)
	Serious Eye Damage/Irritation	Adverse effect observed (irreversible damage)
	Skin Sensitizer	No adverse effect observed (not sensitising)
	Respiratory Sensitizer	No adverse effect observed (not sensitising)
	Germ Cell Mutagenicity	InVitro: No adverse effect observed (negative)
	Carcinogenicity	No applicable toxicity data.
	Reproductive Toxicity	No applicable toxicity data.
	Developmental / Teratogenetic Toxicity	No applicable toxicity data.

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	STOT - Single Exposure	No applicable toxicity data.
	STOT - Repeated Exposure	No applicable toxicity data.
	Aspiration Hazard	No applicable toxicity data.
2-hydroxyethyl methacrylate (868-77-9)	Acute Toxicity - oral	No adverse effect observed LD50 5 000 mg/kg bw
	Acute Toxicity - dermal	No adverse effect observed LD50 5 000 mg/kg bw
	Acute Toxicity - inhalation	No applicable toxicity data. No known significant effects or critical hazards.
	Skin Corrosion/Irritation	No adverse effect observed (not irritating)
	Serious Eye Damage/Irritation	Adverse effect observed (irritating)
	Skin Sensitizer	Adverse effect observed (sensitising)
	Respiratory Sensitizer	No adverse effect observed (not sensitising)
	Germ Cell Mutagenicity	InVitro: Adverse effect observed (positive) InVivo: No adverse effect observed (negative)
	Carcinogenicity	No applicable toxicity data. No known significant effects or critical hazards.
	Reproductive Toxicity	No adverse effect observed NOAEL, oral 1 000 mg/kg bw/day (subacute, rat)
	Developmental / Teratogenic Toxicity	No applicable toxicity data. No known significant effects or critical hazards.
	STOT - Single Exposure	No applicable toxicity data. No known significant effects or critical hazards.
	STOT - Repeated Exposure	Adverse effect observed NOAEL 100 mg/kg bw/day (subacute, rat)
	Aspiration Hazard	No applicable toxicity data. No known significant effects or critical hazards.
benzamide, N-(aminothioxomethyl) - (614-23-3)	Acute Toxicity - oral	No applicable toxicity data.
	Acute Toxicity - dermal	No applicable toxicity data.
	Acute Toxicity - inhalation	No applicable toxicity data.
	Skin Corrosion/Irritation	No applicable toxicity data.
	Serious Eye Damage/Irritation	No applicable toxicity data.
	Skin Sensitizer	No applicable toxicity data.
	Respiratory Sensitizer	No applicable toxicity data.
	Germ Cell Mutagenicity	No applicable toxicity data.
	Carcinogenicity	No applicable toxicity data.
	Reproductive Toxicity	No applicable toxicity data.
	Developmental / Teratogenic Toxicity	No applicable toxicity data.
	STOT - Single Exposure	No applicable toxicity data.
	STOT - Repeated Exposure	No applicable toxicity data.
	Aspiration Hazard	No applicable toxicity data.

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2,6-di-tert-butyl-p-cresol (128-37-0)	Acute Toxicity - oral	No adverse effect observed LD50 6 000 mg/kg bw
	Acute Toxicity - dermal	No adverse effect observed LD50 2 000 mg/kg bw
	Acute Toxicity - inhalation	No applicable toxicity data. No known significant effects or critical hazards.
	Skin Corrosion/Irritation	No adverse effect observed (not irritating)
	Serious Eye Damage/Irritation	No adverse effect observed (not irritating)
	Skin Sensitizer	No adverse effect observed (not sensitising)
	Respiratory Sensitizer	No applicable toxicity data. No known significant effects or critical hazards.
	Germ Cell Mutagenicity	InVivo: No adverse effect observed (negative) InVivo: No adverse effect observed (negative)
	Carcinogenicity	No applicable toxicity data. No known significant effects or critical hazards.
	Reproductive Toxicity	Adverse effect observed NOAEL, oral 25 mg/kg bw/day (chronic, rat)
	Developmental / Teratogenetic Toxicity	No applicable toxicity data. No known significant effects or critical hazards.
	STOT - Single Exposure	No applicable toxicity data. No known significant effects or critical hazards.
	STOT - Repeated Exposure	Adverse effect observed NOAEL, oral 25 mg/kg bw/day (chronic, rat)
	Aspiration Hazard	No applicable toxicity data. No known significant effects or critical hazards.
Hydroquinone (123-31-9)	Acute Toxicity - oral	Adverse effect observed LD50 367 mg/kg bw.
	Acute Toxicity - dermal	No applicable toxicity data.
	Acute Toxicity - inhalation	No applicable toxicity data.
	Skin Corrosion/Irritation	No adverse effect observed (not irritating).
	Serious Eye Damage/Irritation	Adverse effect observed (irritating).
	Skin Sensitizer	Adverse effect observed (sensitising).
	Respiratory Sensitizer	No study available.
	Germ Cell Mutagenicity	No applicable toxicity data.
	Carcinogenicity	Adverse effect observed NOAEL, oral 25 mg/kg bw/day (chronic, rat)
	Reproductive Toxicity	No applicable toxicity data.
	Developmental / Teratogenetic Toxicity	No applicable toxicity data.
	STOT - Single Exposure	No applicable toxicity data.
	STOT - Repeated Exposure	ORAL: Adverse effect observed NOAEL 20 mg/kg bw/day (chronic, rat) DERMAL: No adverse effect observed NOAEL 3 840 mg/kg bw/day (subacute, rat)
	Aspiration Hazard	No applicable toxicity data.

11.2 Information on Other Hazards

11.2.1 Endocrine Disrupting Properties

2,6-di-tert-butyl-p-cresol is under assessment as a possible endocrine disruptor on EDL List II (under assessment).

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11.2.2 Other Information

No additional information available.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Classified as Aquatic Toxicity – Acute category 2 based on >25% 10 × Category 1 ingredients. Classified as Aquatic Toxicity – Chronic category 3 based on >25% M × 100 Category 1 + M × 10 × Category 2 ingredients.

Please see Section 8.1 for PNECs on individual ingredients.

12.2 Persistence and Biodegradability

No data available for the mixture.

methyl methacrylate (80-62-6)	Readily biodegradable in water (100%)
methacrylic acid (79-41-4)	Readily biodegradable in water (100%)
2-hydroxyethyl methacrylate (868-77-9)	Readily biodegradable in water (100%)
benzamide, N-(aminothioxomethyl)- (614-23-3)	No data available.
2,6-di-tert-butyl-p-cresol (128-37-0)	Under test conditions, no biodegradation in water observed. (100%)
Hydroquinone (123-31-9)	Readily biodegradable in water (100%)

12.3 Bioaccumulative Potential

No data available for the mixture.

methyl methacrylate (80-62-6)	No data available. Koc at 20°C is 9.14.
methacrylic acid (79-41-4)	No data available.
2-hydroxyethyl methacrylate (868-77-9)	No data available.
benzamide, N-(aminothioxomethyl)- (614-23-3)	No data available.
2,6-di-tert-butyl-p-cresol (128-37-0)	BCF 1277. Koc at 20°C is 23 030.
Hydroquinone (123-31-9)	BCF 3.162 L/kg ww.

12.4 Mobility in Soil

Partially mobile in soil.

12.5 Results of PBT and vPvB assessment

No PBT or vPvB assessment has been carried out on the material.

12.6 Endocrine Disrupting Properties

2,6-di-tert-butyl-p-cresol is under assessment as a possible endocrine disruptor on EDL List II (under assessment).

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 Parts A and B 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 Part A and Part B 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	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. contains methacrylic acid	8	I
RID	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. contains methacrylic acid	8	I
ADN	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. contains methacrylic acid	8	I
IMO/IMDG	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. contains methacrylic acid	8	I
ICAO/IATA	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. contains methacrylic acid	8	I

14.5 Environmental Hazards

Not classified as hazardous for transport.

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 2,6-di-tert-butyl-p-cresol is under assessment as a possible endocrine disruptor on EDL List II. All other substance(s) in this product are not listed / not subject to restrictions.

The information provided is correct to the best of our knowledge. The information is designed only as a guide and is not considered as a warranty. We do not accept any liability arising from the use of information provided herein.

International Agency for Research on Cancer (IARC) This substance(s) contains 2,6-di-tert-butyl-p-cresol that may be subject to restrictions.

Australia Inventory of Industrial Chemicals (AIIC) Methyl methacrylate and benzamide, N-(aminothioxomethyl)- are not listed. All other substance(s) in this product are listed.

New Zealand Inventory (NZIoC) Methyl methacrylate and benzamide, N-(aminothioxomethyl)- are not listed. All other substance(s) in this product are listed.

Canada Domestic Substances List (DSL) / Non-Domestic Substance List (NDSL) Methyl methacrylate and benzamide, N-(aminothioxomethyl)- are not listed. All other substance(s) in this product are listed.

United States Inventory (TSCA 8b) Benzamide, N-(aminothioxomethyl)- is not listed. All other 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) Methyl methacrylate, cumene hydroperoxide and hydroquinone are listed and subject to reporting. All other substance(s) in this product are not listed / not subject to restrictions.

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
80-62-6	methyl methacrylate	Methyl methacrylate
79-41-4	methacrylic acid	Methacrylic acid
868-77-9	2-hydroxyethyl methacrylate	Glycol methacrylate
614-23-3	benzamide, N-(aminothioxomethyl)-	Benzoylthiourea
128-37-0	2,6-di-tert-butyl-p-cresol	BHT
123-31-9	Hydroquinone	Quinol

Changes from previous version:

Date changed	Section	Changes
2023.04.20	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.
2018.10.03	14	Added excepted and limited quantities.
2016.02.02		Generated using the GHS.

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

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ATE	Acute Toxicity Estimate
BCF	Bioaccumulation factor
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	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
SCL	Specific Concentration Limit
ST	Short term
STOT-SE	Specific target Organ Toxicity - Single Exposure
UN	United Nations
vPvB	very Persistent and very Bioaccumulative