Safety Data Sheet

LOC PLASTIC BONDR SYR 8P PTB

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V001.0
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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: LOC PLASTIC BONDR SYR 8P PTB

Intended use: Accelerator

Supplier:
Henkel Australia Pty Ltd
135-141 Canterbury Road
Kilsyth, Victoria, 3137
Australia

Phone: +61 (3) 9724 6444

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

Section 2. Hazards identification

Classification of the substance or mixture
Hazardous according to the criteria of Safe Work Australia.

GHS Classification:

Hazard Class	Hazard Category	Target organ
Flammable liquids	Category 2	
Skin irritation	Category 2	
Skin sensitizer	Category 1	
Target Organ Systemic Toxicant - Single exposure	Category 3	respiratory tract irritation

Hazard pictogram:

Signal word: Danger

Hazard statement(s):	H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.
Precautionary Statement(s):	
Prevention:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. 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. P280 Wear protective gloves, eye protection, and face protection.
Response:	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing. P370+P378 In case of fire: Use water spray (fog), foam, dry chemical or carbon dioxide to extinguish.
Storage:	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.
Disposal:	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

Classification of material F - Highly flammable Xi - Irritant

Risk phrases:
R11 Highly flammable.
R37/38 Irritating to respiratory system and skin.
R43 May cause sensitisation by skin contact.

Safety phrases:
S24/25 Avoid contact with skin and eyes.
S28 After contact with skin, wash immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Dangerous Goods information:
Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Signal word:
HAZARDOUS

Section 3. Composition / information on ingredients

General chemical description: Mixture
Type of preparation: Methylmethacrylate based adhesive

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Methyl methacrylate	80-62-6	60- 100 %
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	34562-31-7	< 5 %
non hazardous ingredients~		30- 60 %

Section 4. First aid measures

Ingestion:
Do not induce vomiting.
Have victim rinse mouth thoroughly with water.
Seek medical advice.

Skin:
Immediately flush skin with plenty of water (using soap, if available).
Seek medical advice.

Eyes:
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical advice.

Inhalation:
Move to fresh air.
Keep warm and in a quiet place.
Seek medical advice.

First Aid facilities:
Eye wash and safety shower
Normal washroom facilities

Medical attention and special treatment:
Treat symptomatically.

Section 5. Fire fighting measures

Suitable extinguishing media:
Carbon dioxide, foam, powder
Fine water spray

Improper extinguishing media:
Water spray jet

Decomposition products in case of fire::
Thermal decomposition can lead to release of irritating gases and vapors.
Carbon monoxide.
Carbon dioxide.
Oxides of nitrogen.
Cyanides.

Particular danger in case of fire::
WARNING FLAMMABLE!
Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

Special protective equipment for fire-fighters:
Wear protective equipment.
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Additional fire fighting advice:
In case of fire, keep containers cool with water spray.
Collect contaminated fire fighting water separately. It must not enter drains.

Hazchem code: •3YE

Section 6. Accidental release measures

Personal precautions:
Keep away from sources of ignition.
Danger of slipping on spilled product.
Wear impervious gloves and chemical splash goggles.
Do not breathe solvent vapors.
Ensure adequate ventilation.
Avoid skin and eye contact.

Environmental precautions:
Do not empty into drains / surface water / ground water.

Clean-up methods:
Soak up with inert absorbent.
Use noncombustible absorbent material such as sand.
Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Precautions for safe handling:
Ventilate working rooms throughly. Avoid naked flames, sparking and sources of ignition.
Switch off electrical devices. Do not smoke, do not weld.
Do not inhale vapors and fumes.
Gloves and safety glasses should be worn
Avoid skin and eye contact.

Conditions for safe storage:
Keep container tightly sealed.
Store in a cool, dry place.
Keep away from heat and direct sunlight.
Refer to AS 1940: The Storage and Handling of Flammable and Combustible Liquids.

Section 8. Exposure controls / personal protection

National exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
METHYL METHACRYLATE 80-62-6		50	208	-	-	-	-
METHYL METHACRYLATE 80-62-6		-	-	-	-	100	416

Engineering controls:
Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Eye protection:
Wear chemical goggles and face shield.

Skin protection:
Use of protective coveralls and long sleeves is recommended.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.
Nitrile gloves.

Butyl rubber gloves.

Respiratory protection:
If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

Section 9. Physical and chemical properties

Appearance:	Tan, Opaque Liquid, Paste
Odor:	Strong
Specific gravity:	0.96
Boiling point:	> 100 °C (> 212 °F)
Flash point: (Setaflash Closed Cup; ASTM D3828 Method B)	14 °C (57.2 °F)
Evaporation rate:	Faster than ether., (Ether = 1)
Lower explosive limit:	2.1 %(V)
Upper explosive limit:	12.5 %(V)
Vapor density:	> 1
Density:	1.03 g/cm3
Solubility in water:	Slight
VOC content:	0.3 % 2.87 g/l

Section 10. Stability and reactivity

Stability:
Stable under normal conditions of temperature and pressure.

Conditions to avoid:
Avoid heating.
Keep away from open flames, hot surfaces and sources of ignition.
Store away from incompatible materials.
Protect from direct sunlight.

Incompatible materials:
Acids.
Amines.
Bases.
Reaction with reducing agents.
Reaction with strong oxidants.

Hazardous decomposition products:
Thermal decomposition can lead to release of irritating gases and vapors.

Carbon monoxide.
Carbon dioxide.
Oxides of nitrogen.
Cyanides.

Hazardous polymerization:
Rapid polymerization may generate excessive heat and pressure.

Section 11. Toxicological information

Health Effects:

Ingestion:	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Skin:	This product is irritating to the skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
Eyes:	May cause mild irritation Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Inhalation:	This product is irritating to the respiratory system. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

Toxicity data:
No data available.

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	irritating			

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	irritating			

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Methyl methacrylate 80-62-6	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Methyl methacrylate 80-62-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Methyl methacrylate 80-62-6	LOAEL=2000 ppm	inhalation	14 weeks6 hrs/day, 5 days/wk	mouse	Dose Range Finding Study
Methyl methacrylate 80-62-6	NOAEL=1000 ppm	inhalation	14 weeks6 hrs/day, 5 days/wk	mouse	Dose Range Finding Study

Section 12. Ecological information

General ecological information: Do not empty into drains / surface water / ground water.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Methyl methacrylate 80-62-6	LC50	350 mg/l	Fish		Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Methyl methacrylate 80-62-6	EC50	69 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Methyl methacrylate 80-62-6	EC50	170 mg/l	Algae	4 d	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methyl methacrylate 80-62-6	NOEC	100 mg/l	Algae	4 d	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Methyl methacrylate 80-62-6	readily biodegradable	aerobic	95 %	EU Method C.4-B (Determination of the "Ready" BiodegradabilityModified OECD Screening Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Methyl methacrylate 80-62-6	1.38					

Section 13. Disposal considerations

Waste disposal of product: Dispose of in accordance with local and national regulations.

Disposal for uncleaned package: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information

Road and Rail Transport:

Dangerous Goods information:	Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).
UN no.:	1133
Proper shipping name:	ADHESIVES
Class or division:	3
Packing group:	II
Hazchem code:	•3YE
Emergency information:	Refer to the Dangerous Goods - Initial Emergency Response Guide HB 76.

Marine transport IMDG:

UN no.:	1133
Proper shipping name:	ADHESIVES
Class or division:	3
Packing group:	II
EmS:	F-E ,S-D
Seawater pollutant:	-

Air transport IATA:

UN no.:	1133
Proper shipping name:	Adhesives
Class or division:	3
Packing group:	II
Packing instructions (passenger)	353
Packing instructions (cargo)	364

Section 15. Regulatory information

SUSMP Poisons Schedule 6

Section 16. Other information

Abbreviations/acronyms:

ADGC - Australian Dangerous Goods Code
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
STEL - Short term exposure limit
TWA - Time weighted average

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Disclaimer:

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