



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: LOCTITE 518 FLANGE SEALANT MASTER GASKET

Proper Shipping Name: None allocated.

Other Names: LOCTITE 518 MASTER GASKET, LOCTITE AUTOMOTIVE GASKET ELIMINATOR, ANAEROBIC GASKET MAKER.

Use: Anaerobic sealant.

Product Code(s): 135482, 472904, 243271, 229470, 243271

Part Number(s): 25583, 51827, 17820, 51845, 19520

Supplier: HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996
TECHNOLOGIES
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SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of NOHSC. This material has been classified as Harmful (Xn) and Irritant (Xi).

Risk phrase(s):

R22 Harmful if swallowed.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious eye damage.
R43 - May cause sensitisation by skin contact.

Safety phrase(s):

S24/25 - Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of soap suds.
S37/39 - Wear suitable gloves and eye/face protection.
S46 - If swallowed, seek medical advice immediately and show this container or label.

DANGEROUS GOODS INFORMATION:

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

SUSDP POISON SCHEDULE: None allocated.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Polyurethane methacrylate resin		> 60% w/w
Polyglycol dimethacrylate	[25852-47-5]	10-30% w/w
Cumene hydroperoxide	[80-15-9]	1-5% w/w
Acrylic acid	[79-10-7]	1-5% w/w
Ethylene glycol	[107-21-1]	1-5% w/w
1-Acetyl-2-phenylhydrazine	[114-83-0]	< 1% w/w

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SECTION 4. FIRST AID MEASURES

Ingestion: If swallowed, **do not induce** vomiting. For advice, contact a Poisons Information Centre (Phone 13 11 26) or a doctor.

Skin: Remove contaminated clothing and wash affected areas with plenty of water. If irritation, redness or blistering occurs, seek medical attention.

Eyes: Hold eyes open and flush with water for at least 15 minutes. If irritation develops, seek medical attention.

Inhalation: If inhaled, remove from contaminated area. For all but the most minor symptoms, arrange for patient to be seen by a doctor.

Advice to doctor: Treat symptomatically.

First Aid facilities: Eye wash and normal washroom facilities. A safety shower is recommended.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use foam, dry chemical or carbon dioxide.

Hazards from combustion products: Under fire conditions, it may release carbon monoxide and noxious fumes.

Precautions for fire fighters and special protective equipment: If there is a risk of exposure to products of combustion, fire-fighters should wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Wear protective gloves, chemical goggles and safety boots. For small spills, wipe up with paper towel and place in container for disposal. For large spills contain and collect spillage with inert absorbent materials (e.g. sand, earth, vermiculite) and transfer to sealable containers suitable for storing spilled material. Flush areas in contact with spilled material with adequate warm soapy water to render the area safe for human contact. Note: Residues are not water soluble. Wash down waters may still contain residues which require treatment through local effluent treatment plant. Do not contaminate watercourse. Dispose of residues in chemical waste disposal area in accordance with relevant State and Federal requirements.

SECTION 7. HANDLING AND STORAGE

Safe Handling: Observe recommendations made under SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION. Use in a well ventilated area. Avoid breathing vapour.

Storage: Store indoors in a cool, dry and well ventilated area. Keep containers sealed when not in use. Store in original containers away from heat, sparks and open flames. Store at or below 38°C.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: 60 mg/m³ as ethylene glycol (vapour).

Engineering controls: None required under normal conditions of use, but if vapour or mist is being generated, use a local mechanical exhaust system.

Personal protective equipment: Use good industrial hygiene. Avoid contact with skin and eyes. Wear overalls, neoprene or butyl rubber gloves and safety glasses with side shields. Use in a well ventilated area. If inhalation risk exists, wear a respirator complying with the requirements of AS 1715 and AS 1716.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

Appearance: Red gel.
Specific gravity: 1.1 @ 26.6°C
Solubility: Slightly soluble in water
Flash point (PMCC): > 90°C

SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: Open flames, sparks, strong heat.

Incompatible materials: This product will be destabilised by strong oxidising agents, aldehydes and reducing agents.

Hazardous decomposition products: Combustible liquid. In a fire, it can release carbon monoxide and noxious fumes.

Hazardous reactions: None if used for intended purpose.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: Harmful if swallowed. This product may cause severe gastrointestinal irritation.

Skin: Irritating to skin. May cause sensitisation by skin contact.

Eyes: Contact with the eyes can cause severe irritation.

Inhalation: Inhalation of vapours may cause respiratory irritation.

Chronic: Repeated or prolonged skin contact may cause dermatitis.

Toxicity information: None available for this product.

SECTION 12. ECOLOGICAL INFORMATION

Do not allow product to contaminate waterways or soil. This product may be harmful to aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Normally suitable for disposal by incineration in an approved incineration plant. Containers should be emptied prior to disposal at an approved landfill site.

SECTION 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

SECTION 15. REGULATORY INFORMATION

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SUSDP POISON SCHEDULE: None allocated

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

NOHSC - National Occupational Health and Safety Commission
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons

Reference:

1.Henkel US MSDS for 518 Flange Sealant Master Gasket, October 2004

DISCLAIMER:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel Australia Pty. Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel Australia Pty. Limited concerning the properties of the material.

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