



## MATERIAL SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** LOCTITE 515 MASTER GASKET

**Product-Code:** 265605, 473169, 209756

**Intended use:** Anaerobic Adhesive

**Supplier:**

HENKEL AUSTRALIA PTY. LIMITED  
ADHESIVE TECHNOLOGIES  
135-141 Canterbury Road  
3137 Kilsyth, Victoria

Australia

Phone: +61 (3) 9724 6444

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER 03 9724 6556

### SECTION 2. HAZARDS IDENTIFICATION

**STATEMENT OF HAZARDOUS NATURE:**

Hazardous according to the criteria of ASCC.

Classification of material Xn - Harmful Xi - Irritant N - Dangerous for the environment

**Risk phrases:**

R20 Harmful by inhalation.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

S23 Do not breathe vapour.

S24 Avoid contact with skin.

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 water.

S51 Use only in well-ventilated areas.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

**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).

**Signal word:**

HAZARDOUS



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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Acrylic acid	79-10-7	< 5 %
Cumene hydroperoxide	80-15-9	< 3 %
2-Hydroxyethyl methacrylate	868-77-9	< 1 %
Cumene	98-82-8	< 1 %
non hazardous ingredients~		> 60 %

### SECTION 4. FIRST AID MEASURES

<b>Ingestion:</b>	Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Seek medical advice.
<b>Skin:</b>	Rinse with running water and soap. Seek medical advice.
<b>Eyes:</b>	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>First Aid facilities:</b>	Eye wash and safety shower

### SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Carbon dioxide, foam, powder
<b>Decomposition products in case of fire:</b>	Oxides of carbon, oxides of nitrogen, irritating organic vapors.
<b>Special protective equipment for fire-fighters:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Additional fire fighting advice:</b>	In case of fire, keep containers cool with water spray.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions and emergency procedures:</b>	Avoid skin and eye contact. Ensure adequate ventilation.
<b>Environmental precautions:</b>	Do not let product enter drains.
<b>Clean-up methods:</b>	For small spills wipe up with paper towel and place in container for disposal. No information. For large spills absorb onto inert absorbent material and place in sealed container for disposal.

### SECTION 7. HANDLING AND STORAGE



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**Precautions for safe handling:** Use only in well-ventilated areas.  
Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

**Conditions for safe storage:** Store in original containers at 8-21 °C (46.4-69.8 °F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### National exposure standards:

Ingredient	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
ACRYLIC ACID 79-10-7		2	5.9	-	-	-
CUMENE 98-82-8		25	125	-	-	-
		-	-	-	75	375

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

**Eye protection:** Wear protective glasses.

**Skin protection:** Wear suitable protective clothing.  
Recommended gloves include butyl rubber and neoprene.

**Respiratory protection:** Use only in well-ventilated areas.  
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: purple  
liquid, opaque

Odor: Sharp

Specific gravity: 1.1

Boiling point: 150 °C (302 °F)

Flash point: > 93.3 °C (> 93.3 93.3 °C)

Vapor pressure: < 10 mm hg

Density: 1.1 g/cm3

Solubility: Solvent: Water, Slight

VOC content < 10 % (As defined in the Council Directive 2004/42/EC)  
(1999/13/EC)

### SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Conditions to avoid:** Stable under normal conditions of storage and use.



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**Incompatible materials:** Reaction with strong acids.  
Reacts with strong oxidants.  
Reducing agents.  
Alkalis.

**Hazardous decomposition products:** Irritating organic vapours.  
  
Sulphur oxides  
nitrogen oxides  
carbon oxides.

**Hazardous polymerization:** Will not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### HEALTH EFFECTS:

**Ingestion:** May cause gastrointestinal tract irritation if swallowed.  
Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

**Skin:** May cause allergic skin reaction.  
Causes skin irritation.

**Eyes:** Prolonged eye contact may cause severe eye damage.  
Vapors may irritate eyes. Contact with eyes will cause irritation.

**Inhalation:** May be harmful if inhaled.  
Inhalation of vapors may cause moderate to severe respiratory tract irritation.

#### Toxicity data:

Acute oral toxicity:	Acrylic acid	LD 50 (Rat) = 193 mg/kg
	79-10-7	LD 50 (Rat) = 1,250 mg/kg
		LD 50 (Rat) = 33.5 mg/kg
		LD 50 (Mouse) = 2,400 mg/kg
		LD 50 (Rat) = 2.5 g/kg
	Cumene hydroperoxide	LD L0 (Mouse) = 5,000 mg/kg
	80-15-9	
	Hydroxyethyl methacrylate-2	LD 50 (Rat) = 5,050 mg/kg
	868-77-9	LD 50 (Mouse) = 3,275 mg/kg
		LD 50 (Rat) = 11.2 g/kg
Cumene	LD 50 (Rat) = 1,400 mg/kg	
98-82-8	LD 50 (Rat) = 2.91 g/kg	

### SECTION 12. ECOLOGICAL INFORMATION

**General ecological information:** Harmful to aquatic organisms.  
May cause long-term adverse effects in the aquatic environment.  
Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.

**Mobility:** Cured adhesives are immobile.

**Other ecological information:** Do not empty into drains, soil or bodies of water.



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### SECTION 13. DISPOSAL CONSIDERATIONS

- Waste disposal of product:** Dispose of in accordance with local and national regulations. Contribution of this product to waste is very insignificant in comparison to article in which it is used
- Disposal for uncleaned package:** After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

### SECTION 14. TRANSPORT INFORMATION

**Road and Rail Transport:**

- 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).

**General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

### SECTION 15. REGULATORY INFORMATION

- SUSDP Poisons Schedule:** None
- AICS:** All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

### SECTION 16. OTHER INFORMATION

- Abbreviations/acronyms:** ADGC - Australian Dangerous Goods Code  
ASCC - Australian Safety and Compensation Council  
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons  
STEL - Short term exposure limit  
TWA - Time weighted average

- Date of previous issue:** 15.09.2006

**Disclaimer:**

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