



## MATERIAL SAFETY DATA SHEET

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

**Product name:** Loctite 609 Retaining Compound

**Product-Code:** 471311, 464829, 234551, 234549

**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 Xi - Irritant

**Risk phrases:**

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitisation by skin contact.

**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.

S37 Wear suitable gloves.

**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

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Polyethylene glycol 200 dimethacrylate	25852-47-5	> 60 %
2-Hydroxyethyl methacrylate	868-77-9	10 - 20 %
Cumene hydroperoxide	80-15-9	< 3 %
Cumene	98-82-8	< 1 %
non hazardous ingredients~		< 10 %



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### 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.

### SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Carbon dioxide, foam, powder
<b>Improper extinguishing agent:</b>	None known
<b>Decomposition products in case of fire:</b>	Oxides of carbon. nitrogen oxides Irritating fumes.
<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.
<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. For large spills absorb onto inert absorbent material and place in sealed container for disposal.

### SECTION 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Use only in well-ventilated areas. Avoid skin and eye contact. Prolonged or repeated skin contact should be avoided
<b>Conditions for safe storage:</b>	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.



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### 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)
CUMENE 98-82-8		25	125	-	-	-
		-	-	-	75	375

**Engineering controls:** No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.

**Eye protection:** Wear protective glasses.

**Skin protection:** Wear suitable protective clothing.  
Avoid skin-contact.

Recommended gloves include butyl rubber and neoprene.

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.

**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:	Green Liquid
Odor:	Mild
Specific gravity:	1.1
Boiling point:	> 150 °C (> 302 °F)
Flash point:	> 93.3 °C (> 199.94 °F)
Vapor pressure:	< 6 mbar
Density:	1.1 g/cm <sup>3</sup>
Solubility:	Solvent: Water, Slight Solvent: Acetone, Soluble
VOC content (1999/13/EC)	< 3.00 %

### SECTION 10. STABILITY AND REACTIVITY

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

**Conditions to avoid:** Keep away from heat, ignition sources and incompatible materials.



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**Incompatible materials:** Reacts with strong oxidants.

**Hazardous decomposition products:** carbon oxides.  
May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.

### SECTION 11. TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS:**

**Ingestion:** Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

**Skin:** Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals.

**Eyes:** Contact with eyes will cause irritation.  
Vapors may also produce eye irritation.

**Inhalation:** Inhalation of vapors may cause moderate to severe respiratory tract irritation.

**Toxicity data:**

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

### SECTION 12. ECOLOGICAL INFORMATION

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

**Mobility:** Cured adhesives are immobile.

### SECTION 13. DISPOSAL CONSIDERATIONS

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

**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.  
Disposal must be made according to official regulations.

### 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, ADN, IMDG, IATA-DGR.



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### 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

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**Disclaimer:**

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