



## MATERIAL SAFETY DATA SHEET

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

**Product name:** Loctite 542

**Product-Code:** 267431

**Intended use:** Anaerobic

**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: 1800 032 379

### SECTION 2. HAZARDS IDENTIFICATION

**STATEMENT OF HAZARDOUS NATURE:**

Hazardous according to the criteria of ASCC.

Classification of material Xn - Harmful

**Risk phrases:**

R20 Harmful by inhalation.

R36/37 Irritating to eyes and respiratory system.

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

**Safety phrases:**

S23 Do not breathe vapour.

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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:**

None

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Cumene hydroperoxide	80-15-9	1 - 3 %
non hazardous ingredients~		> 60 %



## MATERIAL SAFETY DATA SHEET

### 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>	If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.
<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>Improper extinguishing agent:</b>	None known
<b>Decomposition products in case of fire:</b>	Oxides of carbon, oxides of nitrogen, irritating organic vapors.
<b>Particular danger in case of fire:</b>	None
<b>Special protective equipment for fire-fighters:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions and emergency procedures:</b>	Avoid skin and eye contact.  Ensure adequate ventilation. See advice in chapter 8
<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. Dispose of contaminated material as waste according to Chapter 13.

### SECTION 7. HANDLING AND STORAGE

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



## MATERIAL SAFETY DATA SHEET

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National exposure standards:**

contains no components

**Engineering controls:** Ensure good ventilation/suction at the workplace.

**Eye protection:** Wear protective glasses.

**Skin protection:** Wear suitable protective clothing.  
The use of chemical resistant gloves such as Nitrile are 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.

**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:	brown liquid
Odor:	characteristic
Specific gravity:	1.08
pH:	3 - 6
Flash point:	> 100 °C (> 212 °F)
Vapor pressure:	0.1 mm hg
Density:	1.08 g/cm <sup>3</sup>
Solubility:	Solvent: Water, Not miscible

### SECTION 10. STABILITY AND REACTIVITY

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

**Conditions to avoid:** Stable

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

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

**Hazardous polymerization:** Will not occur



## MATERIAL SAFETY DATA SHEET

### SECTION 11. TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS:**

**Ingestion:** May cause gastrointestinal disturbances such as nausea, vomiting, abdominal pain, and diarrhea.

**Skin:** Irritating to skin.

**Eyes:** Irritating to eyes. Causes excessive tearing. Eyelids may bond.

**Inhalation:** Harmful by inhalation.

**Chronic effects:** Repeated excessive dermal exposure may cause marked skin irritation and may increase the possibility of allergic reactions.

**Toxicity data:**

Acute oral toxicity:

Cumene hydroperoxide  
80-15-9

LD L0 (Mouse) = 5,000 mg/kg

### SECTION 12. ECOLOGICAL INFORMATION

**General ecological information:** Do not empty into drains / surface water / ground water.  
Harmful to aquatic organisms.  
May cause long-term adverse effects in the aquatic environment.

### 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.  
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.

### SECTION 15. REGULATORY INFORMATION

**SUSDP Poisons Schedule:** None



## MATERIAL SAFETY DATA SHEET

**AICS:**

All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

<b>SECTION 16. OTHER INFORMATION</b>
--------------------------------------

**Abbreviations/acronyms:**

ADGC - Australian Dangerous Goods Code  
ASCC - Australian Safety and Compensation Council  
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons

**Date of previous issue:**

01.12.2005

**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. The information contained in this Material Safety Data Sheet is offered in good faith and has been developed from what is believed to be accurate and reliable sources. The information is offered without warranty, representation, inducement or licence and Henkel Australia Pty. Limited assumes no legal responsibility for reliance upon same. Henkel Australia Pty. Limited disclaims any liability for loss, injury or damage incurred in connection with the use of the material or its associated Material Safety Data Sheet. This information is not to be construed as a representation that the material is suitable for any particular purpose or use except those conditions and warranties implied by either Commonwealth or State statutes. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use.