



## MATERIAL SAFETY DATA SHEET

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

**Product name:** LOCTITE 510 FLANGE SEALANT GASKET ELIMINATOR HIGH TEMP.

**Product-Code:** 231421

**Intended use:** Anaerobic Sealant

**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 N - Dangerous for the environment

**Risk phrases:**

R36/37 Irritating to eyes and respiratory system.

R43 May cause sensitisation by skin contact.

R51/53 Toxic 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.

S37 Wear suitable gloves.

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
Polyethylene glycol 200 dimethacrylate	25852-47-5	30 - 60 %
2-Butenedioic acid (2E)-, polymer with a,a'-[(1-methylethylidene)di-4,1-phenylene]bis[w-hydroxy]poly[oxy(methyl-1,2-ethanediyl)]	39382-25-7	10 - 30 %
Silica, amorphous, fumed, crystal-free	112945-52-5	< 5 %
Cumene hydroperoxide	80-15-9	< 5 %
non hazardous ingredients~		10 - 30 %

### 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>Particular danger in case of fire:</b>	Do not expose to direct heat.
<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.



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### SECTION 7. HANDLING AND STORAGE

**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/m <sup>3</sup> )	Peak Limit. (mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )
FUMED SILICA (RESPIRABLE FRACTION) 112945-52-5	Respirable fraction.		2	-	-	-

**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.  
Butyl rubber gloves

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: pink gel  
Odor: Mild  
Specific gravity: 1.1784  
Boiling point: > 150 °C (> 302 °F)  
Flash point: > 100 °C (> 212 °F)  
Vapor pressure: < 5 mm hg  
Density: 1.178 g/cm<sup>3</sup>  
Solubility: Solvent: Water, Slight

### SECTION 10. STABILITY AND REACTIVITY

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

**Conditions to avoid:** Avoid contact with incompatible substances, excessive heat, flames or other ignition sources.



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

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

### SECTION 11. TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS:**

**Ingestion:** Not expected to be harmful by ingestion.

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

**Eyes:** Contact with eyes will cause irritation.

**Inhalation:** Irritates the nose, throat and respiratory system.

**Chronic effects:** No chronic health effects are expected from the intended use of these products or from foreseeable handling of them in the workplace.

Acute oral toxicity: Cumene hydroperoxide LD L0 (Mouse) = 5,000 mg/kg  
80-15-9

### SECTION 12. ECOLOGICAL INFORMATION

**General ecological information:** Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.  
Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered.

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

### 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.



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### 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).

#### Marine transport IMDG:

UN no.: 3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diphenylmethane Bismaleimide)  
Class or division: 9  
Packaging group: III  
EmS: F-A ,S-F  
Seawater pollutant: Marine pollutant

#### Air transport IATA:

UN no.: 3082  
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Diphenylmethane Bismaleimide)  
Class or division: 9  
Packaging group: III  
Packaging instructions (passenger): 964  
Packaging instructions (cargo): 964  
Label: 9

### 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:



## **MATERIAL SAFETY DATA SHEET**

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