

Contact Sheet



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MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: LOCTITE 587 BLUE MAXX FLANGE SEALANT

Trade name: 587 RTV SILICONE

Product-Code: 333949

Intended use: Silicone 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 Xn - Harmful Xi - Irritant

Risk phrases:

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

R40 Limited evidence of a carcinogenic effect.

R43 May cause sensitisation by skin contact.

Safety phrases:

S24/25 Avoid contact with skin and eyes.

S37/39 Wear suitable gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

S51 Use only in well-ventilated areas.

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
Siloxanes and Silicones, di-Me, hydroxy-terminated	70131-67-8	30 - 60 %
Limestone	1317-65-3	30 - 60 %
Siloxanes and Silicones, di-Me	63148-62-9	10 - 30 %
non hazardous ingredients~		10 - 30 %

SECTION 4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Seek medical advice.
Skin:	Rinse with running water and soap. Obtain medical attention if irritation persists.
Eyes:	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
First Aid facilities:	Eye wash and safety shower

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide, foam, powder
Decomposition products in case of fire:	Formaldehyde Silica fume Oxides of carbon. Acrid smoke and fumes.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures:	Avoid contact with skin and eyes.
Environmental precautions:	Do not let product enter drains.
Clean-up methods:	Scrape up as much material as possible. Ensure adequate ventilation. Store in a partly filled, closed container until disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	Use only in well-ventilated areas. Vapours should be extracted to avoid inhalation.
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Conditions for safe storage: Store in a cool, well-ventilated place.
Never allow product to get in contact with water during storage

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)
CALCIUM CARBONATE (INSPIRABLE DUST) 1317-65-3	Inspirable dust		10	-	-	-

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

Eye protection: Wear protective glasses.

Skin protection: 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: blue
paste
Odor: Mild
Specific gravity: 1.31
Flash point: > 93 °C (> 199.4 °F)
Vapor pressure: < 6.5 mbar
Density: 1.31 g/cm³
Solubility: Solvent: Water, Polymerises in presence of water.
VOC content: < 4 % (As defined in the Council Directive 2004/42/EC)

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: Exposure to air or moisture over prolonged periods.



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Incompatible materials:	Acids. Bases. Oxidizing agents. Polymerizes on contact with water.
Hazardous decomposition products:	Oxides of carbon. Oxides of silicon. Formaldehyde Methyl ethyl ketoxime formed during cure.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Ingestion:	May be harmful if swallowed. Not expected under normal conditions of use.
Skin:	Repeated or prolonged skin contact may result in allergic sensitization. Prolonged or repeated contact with uncured sealant may cause skin irritation.
Eyes:	Vapors may irritate eyes. Contact with eyes will cause irritation.
Inhalation:	Inhalation of vapors from uncured sealant may cause respiratory tract irritation. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit.

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:	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. Disposal must be made according to official regulations.



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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).

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: 10.07.2006

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