

Contact Sheet



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MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: LOCTITE SILVER GRADE ANTI-SEIZE (AEROSOL)

Product-Code: 471320

Intended use: Lubricant

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:

R36/38 Irritating to eyes and skin.
R50 Very toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour/spray.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.
S47 Keep at temperature not exceeding 50 °C.
S60 This material and its container must be disposed of as hazardous waste.

Dangerous Goods information:

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Class or division:

2.1

Signal word:

HAZARDOUS



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
n-Heptane	142-82-5	10 - 30 %
Acetone	67-64-1	10 - 30 %
Distillates (petroleum), hydrotreated heavy naphthenic, < 3% DMSO	64742-52-5	10 - 30 %
Graphite	7782-42-5	< 10 %
Propane	74-98-6	< 10 %
Butane	106-97-8	< 10 %
Calcium oxide	1305-78-8	< 10 %
Mineral oil light naphthenic hydrotreat. <3% DMSO	64742-53-6	< 5 %
Aluminum not powder, dust or fume	7429-90-5	< 5 %
Quartz (SiO ₂)	14808-60-7	< 1 %
non hazardous ingredients~		< 5 %

SECTION 4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Seek medical attention immediately.
Skin:	Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse.
Eyes:	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
Inhalation:	Move to fresh air. If adverse health effects develop seek medical attention.
First Aid facilities:	Eye wash

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide. Dry chemical. foam
Combustion behaviour:	Flammable Liquid.
Decomposition products in case of fire:	Oxides of carbon.
Particular danger in case of fire:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. In case of fire, keep containers cool with water spray.
Special protective equipment for fire-fighters:	Use water spray to keep fire exposed containers cool and disperse vapors. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazchem code:	2YE



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures:	Avoid contact with skin and eyes. Avoid inhalation of vapor, fumes, dust and/or mist from the spilled material.
Environmental precautions:	Do not allow to enter in surface / ground water.
Clean-up methods:	Remove the absorbed material, and place in an appropriate chemical waste container for disposal. Ventilate area.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid breathing vapors or mists of this product. Avoid contact with eyes, skin and clothing. Keep away from heat, spark and flame. Vapors will accumulate readily and may ignite explosively. Ensure adequate ventilation.
Conditions for safe storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).



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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)
HEPTANE (N-HEPTANE) 142-82-5		400	1,640	-	-	-
		-	-	-	500	2,050
ACETONE 67-64-1		500	1,185	-	-	-
		-	-	-	1,000	2,375
OIL MIST, REFINED MINERAL 64742-52-5	Mist.		5	-	-	-
GRAPHITE, NATURAL AND SYNTHETIC (ALL FORMS EXCEPT FIBRES) (RESPIRABLE DUST) 7782-42-5	Respirable dust.		3	-	-	-
BUTANE 106-97-8		800	1,900	-	-	-
CALCIUM OXIDE 1305-78-8			2	-	-	-
OIL MIST, REFINED MINERAL 64742-53-6	Mist.		5	-	-	-
ALUMINIUM (METAL DUST) 7429-90-5	Dust.		10	-	-	-
	Welding fume.		5	-	-	-
	Pyrophoric powder.		5	-	-	-
QUARTZ 14808-60-7			0.1	-	-	-

Engineering controls: Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Eye protection: Safety goggles or safety glasses with side shields.

Skin protection: Chemical resistant, impermeable gloves.

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: Yellow
Aerosol, liquid
Odor: Mild, Petroleum
Specific gravity: 0.77
Boiling point: 0 - 212 °F (-17.8 - 100 °C)
Flash point: < -18 °C (< 0.4 °F)
(value for propellant).
Solubility: Solvent: Water, Not available
VOC content: 42 %



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SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of temperature and pressure.
Conditions to avoid:	Keep away from heat, spark and flame. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).
Incompatible materials:	Oxidizing agents. Acids. Alkalis.
Hazardous decomposition products:	Irritating organic vapours. Oxides of carbon.
Hazardous polymerization:	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:	
Ingestion:	Not expected under normal conditions of use.
Skin:	May cause severe irritation due to defatting of skin.
Eyes:	Direct spray or vapors will irritate and may harm eyes.
Inhalation:	Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. May cause irritation to nose and throat. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness. Extreme overexposure may result in unconsciousness and possibly death.
Acute oral toxicity:	Acetone 67-64-1 LD 50 (Rat) = 5,800 mg/kg LD 50 (Mouse) = 5.2 g/kg LD 50 (Mouse) = 3,000 mg/kg LD 50 (Rabbit) = 5,340 mg/kg LD 50 (Rat) = 9,800 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

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

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product:	Dispose of according to regulations. Contribution of this product to waste is very insignificant in comparison to article in which it is used
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Disposal for uncleaned package: Completely empty pressurized gas containers (including propellant gas). Disposal must be made according to official regulations.

SECTION 14. TRANSPORT INFORMATION

Road and Rail Transport:

Dangerous Goods information: Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

UN no.: 1950
Proper shipping name: AEROSOLS
Class or division: 2.1

Packaging group: 2YE
Hazchem code: 2YE
Emergency information: Refer to the Dangerous Goods - Initial Emergency Response Guide HB 76.
EPG: 2D1

Marine transport IMDG:

UN no.: 1950
Proper shipping name: AEROSOLS
Class or division: 2.1
Packaging group: 2YE
EmS: F-D ,S-U
Seawater pollutant: -

Air transport IATA:

UN no.: 1950
Proper shipping name: Aerosols, flammable
Class or division: 2.1
Packaging group: 203
Packaging instructions (passenger): 203
Packaging instructions (cargo): 203
Label: 2.1

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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