



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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

Proper Shipping Name: AEROSOLS

Product code: 471320

Part number(s): 76756 (175 gm)

Use: Heavy duty, high temperature lubricant

Supplier: HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996
TECHNOLOGIES
135-141 Canterbury Road, Kilsyth, Victoria, 3137 Tel:(03) 9724 6444
24 HOUR EMERGENCY CONTACT NUMBER Tel: 1800 032 379

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of NOHSC. This material has been classified as Harmful (Xn) and Irritant (Xi).

Risk phrase(s):

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 phrase(s):

S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition.
S23 Do not breathe vapour/spray.
S24/25 Avoid contact with skin and eyes.
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
S51 Use only in well ventilated areas.
S61 Avoid release to the environment. Refer to special instructions / safety data sheets.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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: 2.1

SUSDP POISON SCHEDULE: None allocated



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
n-Heptane	[142-82-5]	10-30%
Acetone	[67-64-1]	10-30%
Petroleum hydrocarbons		10-30%
Hydrocarbon propellant		10-30%
Graphite	[7782-42-5]	5-15%
Inorganic calcium compound		< 10%
Aluminium paste		< 10%

SECTION 4. FIRST AID MEASURES

Ingestion: If swallowed, **do not induce** vomiting. For advice, contact a Poisons Information Centre (Phone 13 11 26) or a doctor.

Skin: Remove contaminated clothing and wash affected areas with running water. If irritation occurs, seek medical advice.

Eyes: Hold eyes open and flush immediately with running water. If irritation occurs, seek medical advice.

Inhalation: If inhaled, remove from contaminated area. For all but the most minor symptoms, arrange for patient to be seen by a doctor.

Advice to doctor: Treat symptomatically.

First Aid facilities: Eye wash and normal washroom facilities.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, carbon dioxide, dry chemical.

Hazardous decomposition products: Under fire conditions, it will produce carbon monoxide and noxious fumes.

Precautions for fire fighters and special protective equipment: Heating aerosol containers may cause an explosion. Fire-fighters should wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Isolate all potential sources of ignition. Wear protective gloves, chemical goggles and waterproof boots. Contain and collect spillage with absorbent materials (e.g. sand, earth, vermiculite). Transfer to sealable containers suitable for storing spilled material. Flush areas in contact with spilled material with adequate warm soapy water to render the area safe for human contact. Note: Residues are not water soluble. Wash down waters may still contain residues which require treatment through local effluent treatment plant. Do not contaminate watercourse. Dispose of residues in chemical waste disposal area in accordance with relevant State and Federal requirements.

SECTION 7. HANDLING AND STORAGE

Safe Handling: Observe recommendations made under SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION. Wear nitrile rubber gloves and chemical splash goggles. Keep away from strong heat sources, sparks and naked flames. Use in a well ventilated area.



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Storage: Store indoors in a cool, dry, well ventilated area. Protect from physical damage. This container is pressurised. Protect from sunlight and do not expose to temperatures exceeding 50°C. Store according to relevant State Dangerous Goods Storage Requirements.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: TWA: 1640 mg/m³ (400 ppm) as n-heptane
1185 mg/m³ (500 ppm) as acetone
3 mg/m³ as graphite (respirable dust)

Engineering controls: A local mechanical exhaust system is required where vapour or mist is being generated.

Personal protective equipment: Use good industrial hygiene. Avoid contact with skin and eyes. Do not breathe vapour or spray mist. Wear safety apron, safety footwear, nitrile rubber gloves and chemical splash goggles or full face shield. Use with adequate ventilation. If exposure limits are exceeded, wear an organic vapour respirator complying with the requirements of AS 1715 and AS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

Appearance: Silver coloured viscous liquid.
Solubility: Insoluble in water
Flash point: < 0°C

SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: Avoid strong heat sources, open flames and sparks.

Incompatible materials: Keep away from oxidising agents, acids and alkalis.

Hazardous decomposition products: When heated to decomposition, it will emit carbon monoxide and noxious fumes.

Hazardous reactions: Will not polymerise.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: If swallowed, this product may cause nausea, vomiting, abdominal pain, metabolic changes and harmful effects to the liver and kidneys. Aspiration of small droplets into the lungs may cause pneumonitis or pulmonary oedema.

Skin: Contact with skin can cause irritation. May be absorbed through the skin.

Eyes: Liquid contact with the eyes can cause irritation.

Inhalation: Inhalation of vapour may cause respiratory irritation, nausea, headache, dizziness and drowsiness. Exposure to high concentrations of vapour may cause poor coordination and loss of consciousness.

Chronic: Repeated or prolonged skin contact may cause defatting of the skin and lead to dermatitis. Prolonged inhalation exposure may result in harmful effects to the central nervous system and liver.

Toxicity information: inh Acute LC₅₀ (rat): 103 g/m³ / 4hr
inh TDLo (man): 10 mg/m³ / 6H



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SECTION 12. ECOLOGICAL INFORMATION

Do not contaminate waterways and soil. This product is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment

Fish toxicity: 24 hr LC₅₀ (C. auratus): 4 mg/l as n-heptane.
Daphnia toxicity: 48 hr EC₅₀ (Daphnia magna): 1.5 mg/l as n-heptane

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of this material should be undertaken by a registered chemical disposal company. Do not puncture or incinerate containers, even after use. Empty containers should be disposed of at approved landfill site.

SECTION 14. TRANSPORT INFORMATION

UN Number: 1950
Proper Shipping Name: AEROSOLS
Class: 2.1
Packing Group: -
Hazchem code: -
Emergency Information: Dangerous Goods-Initial Emergency Response Guide (SAA/SNZ HB 76) Guide 49 or EPG 2D1.

SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: None allocated

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

NOHSC - National Occupational Health and Safety Commission
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
TWA - Time-weighted average

References:

1. Quick Selection Guide to Chemical Protective Clothing, Fourth Edition, 2003: Forsberg and Mansdorf, Wiley-Interscience.
2. Ecological Data: Merck MSDS for n-Heptane, January 2002

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.

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