Safety Data Sheet

Product name: GOSS GOOP High Pressure Thread Sealant

Part numbers: GG-007-50 / GG-007-250

25 November 2026 | Final |

1. IDENTIFICATION

Other identifier: Thread Locker Y316.

Recommended uses: Threadlocking, retaining and flange sealing.

Australian contact: GOSS Lubricants / GOSS Engineering Pty Ltd, ABN 41 112 056 505.
15 Nelson Rd, Cardiff NSW 2285, Australia.
(02) 4903 8900 | admin@gosseng.com.au

Emergency: Poisons Information Centre 13 11 26 (24 hours). For a medical emergency call 000. GOSS product-specific emergency contact and hours await confirmation.

2. HAZARD IDENTIFICATION

Australian WHS classification: Hazardous chemical. The following provisional GHS 7 health classifications are based on the overseas supplier's assessment of the mixture.

Signal word: DANGER

Pictograms: Corrosion (GHS05), exclamation mark (GHS07), health hazard (GHS08).

HAZARD CLASS AND CATEGORY	HAZARD STATEMENT
Acute toxicity (inhalation), category 4	H332 Harmful if inhaled.
Skin irritation, category 2	H315 Causes skin irritation.
Serious eye damage, category 1	H318 Causes serious eye damage.
Skin sensitisation, category 1	H317 May cause an allergic skin reaction.
Specific target organ toxicity, single exposure, category 3 (respiratory tract irritation)	H335 May cause respiratory irritation.
Specific target organ toxicity, repeated exposure, category 2	H373 May cause damage to the respiratory organs through prolonged or repeated exposure.

Other hazards — hazardous to the aquatic environment, acute category 3 and chronic category 3 (supplier assessment). H402 Harmful to aquatic life. H412 Harmful to aquatic life with long lasting effects.

2. HAZARD IDENTIFICATION (CONTINUED)

Prevention

P260 Do not breathe mist, vapours or spray.

P264 Wash hands and exposed skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing and eye protection or face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISONS INFORMATION CENTRE or doctor.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISONS INFORMATION CENTRE or doctor if you feel unwell.

P314 Get medical advice if you feel unwell.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal

P501 Dispose of contents and container through a licensed waste contractor in accordance with applicable state or territory requirements.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Mixture. Concentration ranges are as reported by manufacturer

INGREDIENT	CAS NUMBER	CONTENT
4,4'-Isopropylidenediphenyl dimethacrylate	3253-39-2	50–65%
Hydroxypropyl methacrylate	27813-02-1	30–35%
Saccharin	81-07-2	3–5%
Modified silicon dioxide	68611-44-9	5–10%
Cumene hydroperoxide	80-15-9	1–3%
Propylene glycol	57-55-6	3–5%

4. FIRST AID MEASURES

Eyes: Flush immediately with water for at least 15 minutes, holding eyelids apart. Remove contacts if easy. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical advice for persistent irritation or rash.

Inhalation: Move to fresh air. If breathing is difficult call 000. Oxygen may be administered by trained personnel.

Ingestion: If conscious, rinse mouth. Seek immediate medical advice. Never give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

Use water spray, dry chemical, carbon dioxide or suitable foam. Combustion may release carbon oxides, nitrogen oxides and silicon dioxide. Firefighters should wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Ventilate the area. Avoid inhalation and skin or eye contact. Keep spills out of drains and waterways. Absorb with dry sand or vermiculite and transfer to a sealed waste container. Avoid generating dust. Clean the area and contain wash water.

7. HANDLING AND STORAGE

Handling: Use mechanical exhaust. Avoid breathing vapour or mist and avoid contact with eyes, skin or clothing. Keep away from heat, sparks, flame and other ignition sources.

Storage: Keep containers tightly closed in a cool, dry, ventilated location. Segregate from incompatible materials listed in section 10.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Airborne exposure: Propylene glycol (CAS 57-55-6), 8-hour time-weighted averages applicable on the draft date: 150 ppm (474 mg/m³) for total vapour and particulates and 10 mg/m³ for particulates only. From 1 December 2026, the published workplace exposure limit is 50 mg/m³ (8-hour TWA, total vapour and particulates, note k). Refer to the exposure limit in force in the relevant jurisdiction.

Engineering controls: Provide local mechanical exhaust, an eyewash and a safety shower.

Personal protection: Wear chemical splash goggles, protective clothing and chemical-resistant gloves. Select glove material and breakthrough time with the glove supplier. Use a suitable, fit-tested respirator if ventilation cannot adequately control exposure.

Hygiene: Wash thoroughly after handling. Keep food, drinks and smoking materials out of the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	SUPPLIER VALUE
Physical state, colour and odour	Vermilion, viscous liquid with a weak odour
Flash point	>95 °C (closed cup)
pH	6.0 at 25 °C (50 g/L)
Water solubility	Slightly soluble

No values supplied for melting/freezing or boiling point, flammability limits, auto-ignition or decomposition temperature, vapour pressure, vapour density, relative density, kinematic viscosity, partition coefficient or particle characteristics.

10. STABILITY AND REACTIVITY

Stable at normal temperatures and pressures. The supplier reports no hazardous polymerisation. Avoid heat and ignition sources. Keep away from strong oxidisers, reducers, acids, bases, peroxides and powdered metals. Manufacturer also lists organic materials as incompatible without specifying types. For thermal decomposition products see section 5.

11. TOXICOLOGICAL INFORMATION

Harmful by inhalation. Vapour or mist may irritate the respiratory tract. Repeated exposure may damage respiratory organs. Skin contact causes irritation and may trigger an allergic reaction. Eye contact causes serious damage.

Manufacturer reports the following ingredient results. No whole-mixture acute toxicity values are supplied.

INGREDIENT	REPORTED ENDPOINTS
Cumene hydroperoxide	Rat oral LD50 382 mg/kg. Rat dermal LD50 500 mg/kg. Rat inhalation LC50 220 ppm (4 h).
Propylene glycol	Rat oral LD50 20 g/kg. Rabbit dermal LD50 20,800 mg/kg.

Mixture data for carcinogenicity, germ cell mutagenicity, reproductive toxicity and aspiration hazard are unavailable.

12. ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects. Cumene hydroperoxide: rainbow trout LC50 3.9 mg/L (96 h), Daphnia magna LC50 16 mg/L (24 h), as reported by Manufacturer. No mixture data supplied for persistence, degradability, bioaccumulation or mobility in soil.

13. DISPOSAL CONSIDERATIONS

Keep residues and contaminated absorbent in closed, labelled containers. Arrange disposal of contents and contaminated packaging through a licensed waste contractor under applicable state and local requirements. Prevent discharge to drains or waterways.

14. TRANSPORT INFORMATION

Manufacturer reports that Y316 is not regulated as dangerous goods for ADR/RID, IATA or IMO transport. Australian road and rail classification under the ADG Code awaits verification. UN number, proper shipping name, class, subsidiary risk, packing group, Hazchem code and marine pollutant status are unconfirmed for Australian supply.

15. REGULATORY INFORMATION

Australian WHS framework: GHS 7. See section 2 for the provisional health hazard classification. Poisons Standard schedule: undetermined for this mixture. Australian Inventory of Industrial Chemicals (AIIC) status: ingredient listings and applicable introduction requirements await importer verification.

16. OTHER INFORMATION

Draft 2, 25 November 2026. Revised Australian GHS statements, section headings, exposure limit dates and regulatory information.

References: Safe Work Australia, Model Code of Practice: Preparation of safety data sheets for hazardous chemicals (Appendix C), Workplace exposure standards for airborne contaminants, and Workplace exposure limits for airborne contaminants (November 2026).

Importer review: Confirm the finished-mixture classification and ingredient exposure limits, Australian product emergency contact, ADG status and section 15 determinations before issuing this SDS.