



# Material Safety Data Sheet

## Garrick Soluble Cutting Oil

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**PRODUCT NAME:** GARRICK Soluble Cutting Oil  
**REVISION DATE:** January 2017

### Hazardous Statement:

**NOT classified as Hazardous according to Worksafe Australia criteria.**

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**Manufacturer Code:** SOL5, SOL20, SOL200 **Use:** Soluble Cutting Oil  
**Poisons Schedule:** Not Scheduled **Hazchem Code:** N/A  
**UN Code:** None allocated

## 2.0 HAZARDS IDENTIFICATION

**HAZARD CLASSIFICATION:** HAZARDOUS SUBSTANCE - NON-DANGEROUS GOODS

Hazard classification according to criteria of NOHSC and GHS.

Dangerous goods classification according to Australian Dangerous Goods Code.

### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**Regulation (EC) No 1272/2008**

**ASPIRATION TOXICITY:** Category 1 - (H304)

**CHRONIC AQUATIC TOXICITY:** Category 3 - (H412)

### 2.2. LABEL ELEMENTS

Contains Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** H304 - May be fatal if swallowed and enters airways

H412 - Harmful to aquatic life with long lasting effects

EUH066 - Repeated exposure may cause skin dryness or cracking

**PRECAUTIONARY STATEMENTS:** P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

P273 - Avoid release to the environment

### 2.3. OTHER HAZARDS

No information available

**OTHER INFORMATION:** Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and environment on disposal. All used oils should be handled with caution and skin contact avoided as far as possible.

## 3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

**CHEMICAL CHARACTERISTICS:** Liquid

**INGREDIENTS:-**

**CHEMICAL ENTITY: PROPORTION**

Highly refined, low viscosity mineral oils/hydrocarbons

(Viscosity >7 - <20.5 cSt @40°C) 50 – 100%

Sulfonic acids, petroleum, sodium salts

2.5 – 10%

Highly refined base oil

(Viscosity >20.5 cSt @40°C) 2.5 – 10%

Oxydipropanol

1 – 2.5%

Potassium hydroxide

0 – 1%

2,6-Di-tert-butyl-p-cresol

0 – 1%

ADDITIONAL INFORMATION: Product containing mineral oil with less than 3% DMSO extract as measured by IP 346 see Section 15 for additional information on base oils

## 4. FIRST AID MEASURES

### HEALTH EFFECTS

**SWALLOWED:** May be fatal if swallowed and enters airways.

If a large quantity is ingested seek immediate medical attention. Give water to wash out mouth. **DO NOT** induce vomiting. If vomiting occurs get immediate medical attention due to aspiration into lungs risk.

**EYE:** Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Take care not to rinse contaminated water into non-affected eye. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**SKIN:** Remove contaminated clothing and wash skin thoroughly with plenty of soap and water. If irritation occurs, seek medical attention. High pressure injection through the skin requires **URGENT** medical attention for possible incision, irrigation and/or debridement. Contact with molten material will require treatment by a physician for burns (Do not remove material).

**INHALED:** Remove victim from exposure to fresh air – avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage and seek urgent medical aid.

**FIRST AID FACILITIES:** Normal washroom facilities are generally suitable. Ensure an eye wash station and safety shower is available and ready for use.

**ADVICE TO DOCTOR:** Treat symptomatically, for advice, contact the Poisons Information Centre 131 126

**OTHER INFORMATION:** Keep water and mild soap near work site.

## 5. FIRE FIGHTING MEASURES

### FIRE/EXPLOSION HAZARD

**HAZARDS OF USE/STORAGE:** Product is a C2 combustible liquid according to AS 1940. This product is combustible if preheated.

**HAZARDS FROM COMBUSTION PRODUCTS:** Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides of sulphur and nitrogen, amines and other nitrogen compounds

**FIRE-FIGHTING RECOMMENDATIONS:** If safe to so, remove containers from path of fire. Keep storage tanks, pipelines, containers, fire exposed surfaces, etc. cool with water spray. Avoid spreading liquid and fire by water flooding.

**PRECAUTION:** Water may cause splattering

**SUITABLE EXTINGUISHING MEDIA:** Use water fog, water spray, foam, carbon dioxide or dry chemical.

**PROTECTIVE MEASURES:** Fire fighters should wear self-contained breathing apparatus if risk of exposure to products of combustion. Water spray may be used to cool down heat-exposed containers.

**REACTIVITY:** May react with strong oxidising agents.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILLS & DISPOSAL:** Slippery when spilt. Avoid accidents, clean up immediately.

**CLEAN-UP PROCEDURE - SMALL SPILLS (20L or less):** Absorb or contain liquid with sand, earth or spill control material. Shovel up using non-sparking tools and place in a sound labelled sealable container for subsequent safe disposal. Place leaking containers in a sound labelled drum.

**CLEAN-UP PROCEDURES - LARGE SPILLS (Greater than 20L):** Transfer to a sound labelled, sealable container for product recovery or safe disposal. Treat residues as for small spills.

**PERSONAL PRECAUTIONS:** Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Evacuate the area of non-essential personnel. Shut off leaks, if possible without personal risk. Do not breathe vapours. Ventilate contaminated area thoroughly. Dispose of according to local regulations.

**OTHER INFORMATION: PROCEDURES IN CASES OF LEAKAGE OR BREAKAGE:** Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing outlined in this MSDS. Cover spill

with inert absorbent earth. Use a stiff brush to mix thoroughly. Sweep up and place in a sound labelled disposable container. Prevent contamination of groundwater or surface water. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority

## **7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:** When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages. Ensure the appropriate personal protective equipment is used when handling this product. Ensure high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking smoking or using the toilet.

**SAFE STORAGE CONDITIONS:** Store in a cool, dry, well ventilated area away from sources of heat or ignition. This product should be stored away from foodstuffs and strong oxidising agents. Keep containers closed at all times - check regularly for leaks.

**CORROSIVENESS:** Not corrosive.

**STORAGE REGULATIONS:** Store in a well ventilated place away from ignition sources, oxidising agents, foodstuffs and clothing.

Keep containers closed when not in use.

Refer to AS 1940 – The Storage and Handling of Flammable Liquids, and NOHSC: 1015 – National Standard for Storage and Handling of Workplace Dangerous Goods for further information.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**NATIONAL EXPOSURE STANDARDS:** No exposure standard has been established for this product. NOHSC Exposure Standards:

Oil mists – time weighted average (TWA) 5 mg/m<sup>3</sup> is recommended.

**OTHER EXPOSURE INFORMATION:** Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC). However, the available exposure limits on the ingredients are given above.

**ENGINEERING CONTROLS:** Maintain concentration below recommended exposure limit. Special ventilation is not normally required. However, in the operation of certain equipment or at elevated temperatures mists or vapour may be generated and localised exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard or the Manufacturer's recommended exposure standard.

**RESPIRATORY PROTECTION:** A respirator is not normally required. Airborne concentrations should be kept at lowest level possible. If vapours, mists or dusts are generated and the recommended exposure limit for the product is exceeded, use appropriate

AS/NZS 1715/1716 approved half –face filter respirator suitable for organic vapours or air supplied respirator is worn.

Air supplied respirators should always be worn when the airborne concentration of the contaminant or the oxygen content of the air is unknown

**EYE PROTECTION:** Safety glasses, goggles or face shield as appropriate to AS/NZS 1337.

**HAND PROTECTION:** Laminated film, nitrile or other suitable gloves conforming to AS/NZS 2161: Occupational Protective Gloves.

**FOOTWEAR:** Industrial safety shoes.

**BODY PROTECTION:** Suitable workwear should be worn to protect personal clothing, e.g. cotton overalls buttoned at neck and wrist.

**HYGIENE MEASURES:** Always wash hands before eating, drinking, smoking or using the toilet. If contamination occurs, change clothing. Launder contaminated clothing before reuse. Discard internally contaminated gloves.

**SPECIAL PROTECTIVE MEASURES:** The product will not burn unless preheated. Isolate from sources of heat, naked flames or sparks.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

- **FORM:** Liquid
- **APPEARANCE:** Clear blue liquid
- **COLOUR:** Clear blue
- **ODOUR:** Sulphur, solvent
- **MELTING POINT:** Not available
- **BOILING POINT:** Not available

- DENSITY @ 25°C (kg/L): 0.89 typical
- FLASHPOINT (ASTM D-93), Closed Cup: > 150 °C
- FLAMMABILITY LIMITS -LOWER: Not available
- FLAMMABILITY LIMITS -UPPER: Not available
- FLAMMABILITY: Combustible Liquid C2 according to AS 1940.
- SOLUBILITY IN WATER: Soluble, forms an emulsion.

## 10. STABILITY AND REACTIVITY

- CHEMICAL STABILITY: Stable under normal conditions of use.
- CONDITIONS TO AVOID: Avoid extremes of temperature and direct sunlight.
- INCOMPATIBLE MATERIALS: Alkalis, strong oxidising agents.
- HAZARDOUS REACTIONS: Will react with strong oxidising agents. Thermal degradation will give off carbon monoxide, carbon dioxide, oxides of sulphur and nitrogen, amines and other nitrogen compounds, fumes, and smoke.
- HAZARDOUS POLYMERISATION: Will not occur.

## 11. TOXICOLOGICAL INFORMATION

- TOXICOLOGY INFORMATION: Not available
- INHALATION: Inhalation of mists or aerosols can produce serious damage.
- INGESTION: May cause mild irritation of the mouth, throat and stomach with nausea and mild diarrhoea. Large amounts can cause vomiting which can lead to aspiration of vomited material into the lungs and be fatal.
- SKIN: May have a de-fatting effect on the skin. Contact with skin may result in irritation.
- EYE: May cause watering of eyes.
- REPRODUCTIVE TOXICITY: Reproductive effects not known.
- CHRONIC EFFECTS: May cause sensitisation and irritation by skin contact.
- MUTAGENICITY: Mutagenic effects not known.
- CARCINOGENICITY: Carcinogenic effects not known

## 12. ECOLOGICAL INFORMATION

- ECOTOXICITY: Harmful to aquatic organisms.
- PERSISTENCE / DEGRADABILITY: This product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.
- MOBILITY: No data available for this material.
- ENVIRONMENT PROTECTION: Do not allow material to enter drains or watercourses.

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS: Dispose of according to federal, E.P.A. and state regulations.

## 14. TRANSPORT INFORMATION

TRANSPORT INFORMATION: Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Not classified as a Dangerous Good by the criteria of the International Maritime Dangerous Goods Code for transport by sea.

## 15. REGULATORY INFORMATION

POISON SCHEDULE: Not scheduled.

PACKING & LABELLING: Aspirational toxicity requirements.

AUSTRALIAN INVENTORY STATUS: All components are listed.

## 16. OTHER INFORMATION

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.

LITERATURE REFERENCES: \* NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.

\* NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.

\* NOHSC: 10005 List of Designated Hazardous Substances.

\* NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.

\* NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.

\* NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.

\* NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.

\* NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.  
\* NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.  
\* SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons  
\* ADG: Australian Dangerous Goods Code  
\* MSDS of component materials.  
LAST CHANGE: Supersedes document issued: 3<sup>rd</sup> July 2016  
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Poison Information Centre 13 11 26  
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\*\*\*\*\* End of MSDS \*\*\*\*\*

