



Safety Data Sheet

Issue Date: 15 June 2017

Issued by: Royal Precision Lubricants

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Product: Solcut Ultra

Section 1. Identification

Product Details

Product Identifier Metal Working Solution
Product Code 7128
Recommended Use Lubricant, Coolant and Cleaner for Metal

Manufacturer or Supplier Details

Supplier Royal Precision Lubricants Pty Ltd (ABN 72 155 989 165)
Address 40 Kimberly Road, DANDENONG SOUTH, Vic 3175
Telephone +61 3 9768 2441
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Section 2. Hazard(s) Identification

GHS Classification

GHS Label Elements

Hazard Category None Allocated
Hazard Classification: NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS
Risk Phrases None Allocated
Safety Phrases None Allocated
Poison Schedule (Australia) None Allocated

Other hazards which do not result in classification Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Used oil may contain harmful impurities.

Section 3. Composition and Information on Ingredients

Chemical Nature: Highly refined mineral oils and proprietary performance additives.
The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346

Ingredients:

Ingredient	% (w/w)	CAS Number
Chemical Entity: - Ethanolamines	<20%	141-43-5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4. First-aid measures

Eye contact: Flush eye with copious quantities of water.
If persistent irritation occurs, obtain medical attention.

Inhalation: Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered..

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Product:

Skin contact:	Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
If swallowed:	Immediately rinse mouth with water. If swallowed do NOT induce vomiting. Give plenty of water to drink.
Most important symptoms and effects, both acute and delayed:	Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Swallowing may result in nausea, vomiting and/or diarrhoea.
Protection of first-aiders:	When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.
Notes to physician:	Treat symptomatically.

Section 5. Fire-fighting measures

Suitable extinguishing equipment:	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water in a jet.
Specific hazards during firefighting:	Non-Combustible liquid.
Special protective equipment and precautions for firefighters:	Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Positive pressure Self-Contained Breathing Apparatus and full turn out gear should be worn.
HazChem Code:	None
Flammability:	This product is not flammable

Section 6. Accidental release measures

Minor Spills should be contained and mopped up quickly to prevent an accident. For large spills, contain using sand or soil. Absorb using sand, soil, vermiculite or some other inert material. Collect and seal in properly labelled containers for disposal. Refer to State Land Waste Authority for disposal. Flush area with water

Section 7. Handling and Storage

Precautions for safe handling:	Not classified as a Dangerous Substance for the purpose of transport, storage or handling. No special requirements
Conditions for safe storage, including any incompatibilities:	Keep dry and avoid spillage

Section 8. Exposure controls and personal protection

National Exposure Standards:	No exposure standard has been established, however, the TWA National Occupational Health and Safety Commission (NOHSC) exposure standard for oil mist is 5 mg/m ³ . As with all chemicals, exposure should be kept to the lowest possible level.
Biological limit values:	Not available
Engineering Controls:	No special ventilation or engineering controls are required under normal use conditions
Personal Protective Equipment	
Respiratory Protection:	Normally not required, however if mists or vapours are generated in a poorly ventilated area an approved respirator with a replaceable vapour/mist filter is recommended.
Eye Protection:	Safety glasses with side shields, goggles or full face mask as appropriate. Individual circumstances will dictate the final choice of protection.
Skin / Body Protection:	Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant

Product:

gloves (e.g. PVC) be worn when handling this product.

Section 9. Physical and Chemical Properties

Appearance	Clear blue liquid
Melting Point	< 0 degrees celcius
Boiling Point	100 degrees celcius
Vapour Pressure	17mm Hg @ 20 degrees celcius
Solubility in Water	Vapour Density (Air=1): 0.6 Soluble in all proportions
pH Value	10-12
Flash Point	Non flammable
Flammable Limits	Non flammable
Corrosiveness	Non Corrosive

Section 10. Stability and Reactivity

Reactivity:	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
Chemical stability:	Stable when stored in a sealed container at room temperature
Possibility of hazardous reactions:	Reacts with strong oxidising agents.
Conditions to avoid:	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Under normal conditions of storage and use hazardous decomposition products are not expected to be produced.

Section 11. Toxicological information

Information given is based on data on the components and the toxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for the individual component(s).
Skin and eye contact are the primary routes of exposure although exposure may occur following accidental swallowing.

Acute toxicity	<i>Acute oral toxicity:</i> LD50 rat: >5,000 mg/kg. Expected to be of low toxicity. <i>Acute inhalation toxicity:</i> Not considered to be an inhalation hazard under normal conditions of use. <i>Acute dermal toxicity:</i> LD50 rabbit: >5,000 mg/kg. Expected to be of low toxicity.
Skin corrosion/irritation	Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.
Serious eye damage/eye irritation	Expected to be slightly irritating
Respiratory or skin sensitisation	Not expected to be a skin sensitiser. Spray mist is an irritant to nose and throat.
Germ cell mutagenicity	Not considered a mutagenic hazard.
Carcinogenicity	Not expected to be carcinogenic. Product contains mineral oils of types shown to be non-carcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).
Reproductive toxicity	Not expected to impair fertility. Not expected to be developmental toxicant.
STOT – single exposure	Not expected to be a hazard.
STOT – repeated exposure	Not expected to be a hazard.
Aspiration toxicity	Not considered an aspiration hazard.
Further 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 the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible.

Section 12. Ecological information

Product:

Eco toxicological data has not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

Ecotoxicity

Toxicity to fish (Acute toxicity)	Expected to be practically non-toxic.
Toxicity to crustacean (Acute toxicity)	Expected to be practically non-toxic.
Toxicity to algae/aquatic plants (Acute toxicity)	Expected to be practically non-toxic.
Toxicity to fish (Chronic toxicity)	Data not available.
Toxicity to crustacean (Chronic toxicity)	Data not available.
Toxicity to microorganisms (Acute toxicity)	Data not available.

Persistence and degradability

Biodegradability	Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but contains components that may persist in the environment.
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Bioaccumulative potential

Bioaccumulation	Contains components with the potential to bio accumulate.
Partition coefficient: n-octanol/water	Pow: >6 based on information on similar products.

Mobility in soil

Mobility	Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.
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Other adverse effects

Additional ecological information	Product is a mixture of non-volatile components which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. Poorly soluble mixture. May cause physical fouling of aquatic organisms. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.
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Section 13. Disposal considerations**Disposal methods**

Waste from residues	Waste product should not be allowed to contaminate soil or ground water or be disposed of into the environment. Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
Special precautions for landfill or incineration	No additional special precautions identified.

Section 14. Transport Information**National Regulations**

ADG Not regulated as a dangerous good.

International Regulations

IATA-DGR Not regulated as a dangerous good.
IMDG-DGR Not regulated as a dangerous good.

Section 15. Regulatory Information**Standard Uniform Schedule of Medicine and Poisons**

Not scheduled

Model Work Health and Safety Regulations – Scheduled Substances

Not listed

Product:

Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

Not regulated

Section 16. Other Information

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Abbreviations ADG = Australian Dangerous Goods
GHS = Globally Harmonised System of Classification and Labelling of chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk container
IMDG = International Maritime Dangerous Goods
STEL = Short term exposure limit
TWA = time weighted average
Varies = may contain one or more of the following 101316-69-2, 101316-70-5, 101316-71-6, 101316-72-7, 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64741-97-5, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-64-9, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1, 74869-22-0, 90669-74-2

Other Information

The information contained in this SDS is as accurate as we can ascertain at this time. However, as the information is gleaned from a number of third party sources, Royal Precision Lubricants can make no warranty, guarantee or statement as to the reliability or completeness of the information. Royal Precision Lubricants will not accept liability of any damages whatsoever arising from the reliance of this information. It is the responsibility of the person handling the product to satisfy themselves as to the suitability and completeness of such information for their own use.

....End of SDS....