



# Safety Data Sheet

Issue Date: 14 June 2017

Issued by: Royal Precision Lubricants

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## Product: Injector Cleaner

### Section 1. Identification

#### Product Details

Product Identifier                      Injector Cleaner  
Product Code                              6121  
Recommended Use                        Fuel Additive

#### 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  
Fax                                                +61 3 9768 3325

**Emergency Telephone Number      +61 7 3203 2833**

### Section 2. Hazard(s) Identification

#### GHS Classification

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.  
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
Aspiration Hazard: Category 1  
Eye Damage/Irritation: Category 2A  
Flammable Liquids: Category 3  
Skin Irritation: Category 2  
Specific Target Organ Toxicity – Single Exposure: Category 3  
Chronic aquatic Toxicity: Category 2

#### GHS Label Elements



Flame, Health Hazard, Exclamation Mark  
DANGER

Signal Word

#### Hazard Statements

Physical Hazards                            Not classified as a physical hazard under GHS criteria  
Health Hazards                                Flammable liquid and vapour  
                                                          May be fatal if swallowed and enters airways  
                                                          Causes skin irritation  
                                                          May cause drowsiness and dizziness  
Environmental Hazards                        Toxic to aquatic life with long lasting effects

#### Precautionary Statements

Prevention                                      Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
                                                          Keep container tightly closed.  
                                                          Ground/bond container and receiving equipment.  
                                                          Use explosion- proof electrical/ventilating/lighting/equipment.  
                                                          Use only non- sparking tools. Take precautionary measures against static discharge.  
                                                          Avoid breathing dust/fume/gas/mist/vapours/spray.  
                                                          Wash contaminated skin thoroughly after handling

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Response	<p>Use only outdoors or in a well- ventilated area.  Wear protective gloves/protective clothing/eye protection/face protection.  IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  Do NOT induce vomiting.  IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  If skin irritation occurs: Get medical advice/attention.  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  Call a POISON CENTER or doctor/physician if you feel unwell.  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  If eye irritation persists: Get medical advice/attention.  In case of fire: Use CO<sub>2</sub>, dry chemical or foam for extinction.</p>
Storage	<p>Store in a well- ventilated place. Keep container tightly closed. Keep cool. Store locked up.</p>
Disposal	<p>Dispose of contents/container to an approved waste facility.</p>
Supplemental label elements	<p>Not applicable</p>
Other hazards which do not result in classification	<p>Not applicable</p>

### 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
Solvent naptha	27 – 35%	64742-89-8
Petroleum naptha	11 – 17%	64742-47-8
2-Ethylhexanol	5 – 11%	104-76-7
Xylene	< 8%	1330-20-7
N, N'-methylenebismorphine	< 4%	5625-90-1

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

<b>Eye contact:</b>	<p>Flush eye with copious quantities of water.  If persistent irritation occurs, obtain medical attention.</p>
<b>Inhalation:</b>	<p>Remove person from source of contamination. Apply artificial respiration if person not breathing. If symptoms develop seek medical attention.</p>
<b>Skin contact:</b>	<p>Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.</p>
<b>If swallowed:</b>	<p>Product can be aspirated on swallowing or following regurgitation of stomach contents and can cause severe and potentially fatal chemical pneumonitis, which will require urgent treatment. <b>Do not induce vomiting</b> and obtain medical advice.</p>

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<b>Most important symptoms and effects, both acute and delayed:</b>	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.
<b>Protection of first-aiders:</b>	When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.
<b>Notes to physician:</b>	Product can be aspirated on swallowing or following regurgitation of stomach contents and can cause severe and potentially fatal chemical pneumonitis, which will require urgent treatment. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided.

**Section 5. Fire-fighting measures**

<b>Suitable extinguishing equipment:</b>	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. <b>Do not use water in a jet.</b>
<b>Specific hazards during firefighting:</b>	Combustible liquid. In a fire, or if heated, a pressure increase will occur and the container may burst with the risk of a subsequent explosion. May produce toxic fumes if burning including possibly carbon monoxide, airborne solid and liquid particulates and gases and unidentified organic and inorganic compounds.
<b>Special protective equipment and precautions for firefighters:</b>	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.
<b>HazChem Code:</b>	3Y

**Section 6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Avoid contact with skin and eyes, use appropriate personal protective equipment. Evacuate surrounding areas if necessary. Remove all ignition sources.
<b>Environmental precautions:</b>	Stop leak if without risk. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Local authorities should be advised if significant spillages cannot be contained.
<b>Methods and materials for containment and cleaning up:</b>	Slippery when spilt. Avoid accidents, clean up immediately. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

**Section 7. Handling and storage**

<b>Precautions for safe handling:</b>	Use in a well ventilated area. Wear appropriate protective equipment (See Section 8) and clothing to avoid inhalation of fumes or mist and contact with skin and eyes. Containers not in use should be closed. Do not smoke. Always wash hands after handling and prior to eating, drinking, smoking or using the toilet.
<b>Conditions for safe storage, including any incompatibilities:</b>	Classified as a Class 3 Flammable Liquid for the purposes of storage and handling. Keep away from aerosols, flammables, oxidising agents, corrosives and from other flammable products. Keep container tightly closed. Must be stored in a bunded, well-ventilated area, away from sunlight, ignition sources and any other sources of heat. Vapours from tanks should not be released to atmosphere. Breathing losses during storage should be

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controlled by a suitable vapour treatment system. Containers, even those that have been emptied, can contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations on or near containers.

**Section 8. Exposure controls and personal protection**

<b>National Exposure Standards:</b>	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 <sup>3</sup> . As with all chemicals, exposure should be kept to the lowest possible level.
<b>Biological limit values:</b>	Not available
<b>Engineering Controls:</b>	<b>Ventilation</b> - Use in well ventilated areas. Where ventilation is inadequate, a local exhaust ventilation system is required.
<b>Personal Protective Equipment</b>	
<b>Respiratory Protection:</b>	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.
<b>Eye Protection:</b>	Safety glasses with side shields, goggles or full face mask as appropriate. Individual circumstances will dictate the final choice of protection.
<b>Skin / Body Protection:</b>	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 gloves (e.g. PVC) be worn when handling this product.

**Section 9. Physical and Chemical Properties**

Appearance	Viscous amber liquid
Melting Point	Not available
Boiling Point	Not available
Vapour Pressure	Not available
Solubility in Water	Insoluble
pH Value	Not applicable
Specific Gravity	0.842 @ 15°C
Flash Point	> 45°C
Flammability	Flammable Liquid
Auto Ignition Temperature	Not available
Flammable Limits	Not available

**Section 10. Stability and Reactivity**

<b>Reactivity:</b>	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
<b>Chemical stability:</b>	Stable under normal conditions of storage and handling.
<b>Possibility of hazardous reactions:</b>	Reacts with strong oxidising agents.
<b>Conditions to avoid:</b>	Heat, direct sunlight, open flames, static ignition or other sources of ignition.
<b>Incompatible Materials:</b>	Strong oxidizing agents, halogens, strong acids and strong alkalis.
<b>Hazardous Decomposition Products:</b>	Under normal conditions of storage and use hazardous decomposition products are not expected to be produced. Combustion forms carbon dioxide and, if incomplete, smoke, carbon monoxide and nitrogen oxides.

**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**                      *Acute oral toxicity:* LD50 rat: >5,000 mg/kg. Expected to be of low toxicity.

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	<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.
<b>Skin corrosion/irritation</b>	May cause irritation to the skin that may result in redness, itchiness and swelling. Repeated or prolonged contact may dry and defat the skin, resulting in skin irritation and possibly lead to dermatitis.
<b>Serious eye damage/eye irritation</b>	Contact may cause impaired vision, redness and tearing.
<b>Respiratory or skin sensitisation</b>	Not expected to be a skin sensitiser.
<b>Germ cell mutagenicity</b>	Not considered a mutagenic hazard.
<b>Carcinogenicity</b>	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).
<b>Reproductive toxicity</b>	Not expected to impair fertility. Not expected to be developmental toxicant.
<b>STOT – single exposure</b>	Not expected to be a hazard.
<b>STOT – repeated exposure</b>	Not expected to be a hazard.
<b>Aspiration toxicity</b>	Not considered an aspiration hazard.
<b>Further information</b>	Not applicable

**Section 12. Ecological information**

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).

<b>Ecotoxicity</b>	Harmful to aquatic organisms, may cause long-term adverse effects to the aquatic environment. Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.
<b>Persistence and degradability</b>	
Biodegradability	Adequate data is not available to estimate the biodegradation potential of this product.
<b>Bioaccumulative potential</b>	
Bioaccumulation	There is no evidence to suggest bioaccumulation will occur.
<b>Mobility in soil</b>	
Mobility	Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.
<b>Other adverse effects</b>	
Additional ecological information	Not applicable

**Section 13. Disposal considerations**

<b>Disposal methods</b>	
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.
<b>Special precautions for landfill or incineration</b>	No additional special precautions identified.

**Section 14. Transport Information****National Regulations**

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ADG	Classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>UN Number:</b>	1268
<b>UN Proper Shipping Name:</b>	PETROLEUM DISTILLATES, N.O.S. – Light Solvent Naptha
<b>Transport Hazard Class:</b>	3
<b>Packing Group:</b>	III
<b>Hazchem Code:</b>	3Y
<b>EPG Number:</b>	3A1
<b>IERG Number:</b>	14
<b>Marine Pollutant:</b>	Yes
<b>Other Information:</b>	Class 3 Flammable Liquids shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances, except Flammable Liquid is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Non-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Toxic Substances, except where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.
<b>International Regulations</b>	
IATA-DGR	Classified as Dangerous Goods – See above
IMDG-DGR	Classified as Dangerous Goods – See above

## Section 15. Regulatory Information

**Standard Uniform Schedule of Medicine and Poisons**

Poisons Schedule: S5

**Model Work Health and Safety Regulations – Scheduled Substances**

Not listed

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

Classified as Dangerous Goods – See Section 14.

## Section 16. Other Information

<b>Date of Issue</b>	Wednesday, 14 June 2017
<b>Abbreviations</b>	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

**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....