



## SAFETY DATA SHEET

*compiled according to Safe Work Australia and the GHS*

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### 1. IDENTIFICATION

<b>Product Identifier</b>	<b>SOLEX CONCENTRATE</b>
<b>Product Code</b>	1206
<b>Other Means of Identification</b>	Base Oil and Additive Mixture
<b>Recommended Use of the Chemical and Restriction on Use</b>	Soluble oil for metalworking
<b>Details of Manufacturer or Importer</b>	Lidomont Pty. Ltd., trading as Prolube Lubricants 15 Pinnacle Street, Brendale, Queensland, 4500
<b>Phone</b>	07 3881 1733 (+61 7 38811733 – International)
<b>Emergency Telephone</b>	000 (Australia Only)
<b>Poisons Information Centre Phone</b>	13 11 26

### 2. HAZARDS IDENTIFICATION

<b>Physical Hazard(s)</b>	Classified as Hazardous according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
<b>Health Hazard(s)</b>	Eye Damage Category 1 Skin Sensitisation Category 1 Skin Irritation Category 2 Acute Toxicity – Category 4
<b>Environment Hazard(s)</b>	Hazardous to aquatic environment Short term / Acute Category 3
<b>GHS Label Elements</b>	
<b>Signal Word</b>	WARNING

#### Hazard Statement(s)

- H315** Causes skin irritation.
- H317** May cause an allergic skin reaction.
- H318** Causes Serious eye damage.
- H332** Harmful if inhaled.
- H372** Causes damage to organs through prolonged or repeated exposure.
- H402** Harmful to aquatic life.

#### Precautionary Statement(s): General

- P101** If medical advice is needed, have product container or label at hand
- P102** Keep out of reach of children
- P103** Read carefully and follow all instructions.

#### Precautionary Statement(s): Prevention

- P260** Do not breath dust/fume/gas/mist/vapour/spray.
- P261** Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264** Wash thoroughly after handling.

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- P270** Do not eat drink or smoke when using this product.
- P271** Use only outdoors or in a well ventilated area.
- P272** Contaminated work clothing should not be allowed out of the workplace.
- P280** Wear protective gloves.
- P281** Use personal protective equipment as required

### Precautionary Statement(s): Response

- P310** Immediately call a POISON CENTRE/doctor. Australia Poisons Information Centre 131126
- P312** Call a POISON CENTRE or doctor if you feel unwell.
- P332** Harmful if inhaled.
- P302+352** If ON SKIN: Wash with plenty of soap and water
- P305+P351+P338** If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313** If eye irritation persists: Get medical advice/attention.
- P304+P340** If INHALED: Remove person to fresh air and keep comfortable for breathing
- P321** Specific treatment – see label.
- P333+P313** If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364** Take off contaminated clothing and wash before it before reuse.
- P301+P312** If SWALLOWED: Immediately call a Poison Centre or doctor/physician if you feel unwell.
- P330** Rinse mouth.

### Precautionary Statement(s): Storage

- P403+P235+P233** Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- P405** Store locked up.

### Precautionary Statement(s): Disposal

- P501** Dispose of contents/container as hazardous waste in accordance with local regulations.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Distillates hydrotreated heavy paraffinic; Baseoil - unspecified	64742-54-7	>80%
Sulphonic acid, petroleum, sodium salts	68608-26-4	1-5%
Fatty acids, tall oil, compounds with ethanolamine	68132-47-8	1-3%
13-Docosenic acid, Compound with 2-aminoethanol (1:1)	84099-98-9	1-2.5%
Rosin	8050-09-7	1-2.5%
Poly(oxy-1,2-ethanediyl), $\alpha$ -(carboxymethyl)- $\omega$ -[(9Z)-9-octadecen-1-yloxy]	57635-48-0	<1%
Alcohols C12-15, ethoxylated	68131-39-5	<1%
Sodium Pyrithione	3811-73-2	<0.25%
Other non-hazardous ingredients		to 100%

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### 4. FIRST AID MEASURES

Poisons Information Centre Australia Ph 131126

#### ***Inhalation***

Remove from further exposure and to fresh air. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

#### ***Skin contact***

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

#### ***Eye contact***

Flush thoroughly with water, also under the eyelids for at least 15 minutes. Remove contact lenses if present and easy to do. Do not rub affected area. If irritation occurs, get medical assistance.

#### ***Ingestion***

Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

**Notes to Physician:** May cause sensitisation to susceptible persons. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

#### ***Suitable extinguishing equipment***

In case of fire use dry chemical, foam or carbon dioxide fire extinguisher. DO NOT use water.

#### ***Specific hazards arising from the chemical***

Combustion products may contain carbon monoxide and carbon dioxide and smoke. Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers. Product is or contains a sensitizer. May cause sensitisation by skin contact.

#### ***Special protective equipment and precautions for firefighters***

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

#### ***Personal precautions, protective equipment and emergency procedures***

No action should be taken which might involve personal risk or without suitable training. Use Safe Work Australia approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

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### **Environmental precautions**

In the event of a major spill, prevent spillage from entering drains or water courses, basements or confined spaces. Dyke far ahead of liquid spill for later recovery and disposal.

### **Methods and materials for Containment and cleaning up**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal according to local regulations, preferably using a licensed waste disposal contractor.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Use appropriate personal protective equipment – see Section 8. Use safe work processes to avoid eye or skin contact and inhalation of vapours. Use only in well ventilated areas.

Do not store in contact with food, beverages or tobacco products. Eating drinking or smoking in areas where this product is stored or processed should be prohibited. Always wash thoroughly after handling. Wash contaminated clothing and other protective equipment before storage or reuse. Provide eyewash fountains and safety showers in close proximity to points of use.

### **Conditions for safe storage**

Store in accordance with local regulations in a cool, dry and well ventilated area. Store in original container tightly closed and away from incompatible materials (see Section 10). Check regularly for leaks and physical damage. Opened containers should be carefully resealed and stored in an upright position. Empty containers may contain residues and be dangerous. Store and use only in equipment designed for use with this type of product. Use appropriate bunding or containment to prevent environmental contamination.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### **Exposure control measures**

Rosin: TWA 5mg/m<sup>3</sup> Safe Work Australia; Formaldehyde (TWA)

### **Engineering controls**

Engineering controls should be in place as a primary source of protection over the use of Personal Protective Equipment. Ensure adequate ventilation of the working area or provide exhaust ventilation to keep the relevant airborne concentrations below acceptable levels.

### **Individual protection measures**

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Eye and face protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin protection:** Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include chemical resistant, nitrile or viton. Long sleeve and long pants will provide protection.

**Respiratory protection:** If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance

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must be in accordance with regulatory requirements, if applicable. A particulate type respirator should be considered for this material. No special requirements under ordinary conditions of use and with adequate ventilation.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

**Specific Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practise good housekeeping.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance: Form</b>	Viscous liquid
<b>Colour</b>	Amber (Milky cream when mixed with water)
<b>Odour</b>	Mild oil
<b>Odour Threshold</b>	Not determined
<b>pH-Value</b>	Not applicable
<b>Melting point/Melting range</b>	Not applicable
<b>Initial Boiling Point/Boiling Range</b>	> 100 °C (based on components)
<b>Flash Point</b>	Not determined
<b>Flammability</b>	Combustible Liquid Class 2
<b>Auto-ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	No information available
<b>Explosion Limits: Lower</b>	1 Vol % (typical)
<b>Upper</b>	10 Vol % (typical)
<b>Vapour Pressure at 20 °C</b>	Not available
<b>Relative Density at 15 °C</b>	0.98
<b>Vapour Density</b>	>1
<b>Evaporation Rate</b>	Not applicable
<b>Solubility in Water</b>	Forms a stable emulsion
<b>Viscosity at 40 °C</b>	~177 cSt
<b>Viscosity at 100 °C</b>	~18 cSt

### 10. STABILITY AND REACTIVITY

**Reactivity:** Will not occur.

**Chemical stability:** Stable at ambient temperature and under normal conditions of use.

**Possibility of hazardous reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Excessive heat. High energy sources of ignition.

**Incompatible materials:** Strong oxidisers.

**Hazardous decomposition products:** Material does not decompose at ambient temperatures. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

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### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity: LD50/LC50 values relevant</b>	
<i>Oral LD 50</i>	>2000 mg/kg (Rat)
<i>Dermal LD50</i>	>2000 mg/kg (Rabbit)
<i>Inhalation LC50</i>	4 hr > 5mg/l (Dust/mist) (Rat)
<b>Acute Health Effects</b>	
<i>Inhalation</i>	Mild
<i>Skin</i>	Sensitising
<i>Eye</i>	Irritating effect
<i>Ingestion</i>	Mild
<b>Skin Corrosion / Irritation</b>	
Mixture causes mild skin irritation	
<b>Serious Eye Damage / Irritation</b>	
Mixture causes serious eye irritation	
<b>Respiratory or Skin Sensitisation</b>	
May cause an allergic skin reaction	
<b>Germ Cell Mutagenicity</b>	
Mixture: Based on classification principles, the classification criteria are not met	
<b>Carcinogenicity</b>	
Mixture: Based on classification principles, the classification criteria are not met	
<b>Reproductive Toxicity</b>	
Mixture: Based on classification principles, the classification criteria are not met	
<b>Specific Target Organ Toxicity (STOT) -</b>	
<i>Single Exposure</i>	Mixture: Based on classification principles, the classification criteria are not met
<i>Repeated Exposure</i>	Mixture: Based on classification principles, the classification criteria are not met
<b>Aspiration Hazard</b>	
Mixture: Based on classification principles, the classification criteria are not met	
<b>Chronic Health Effects</b>	
No information available	
<b>Existing Conditions Aggravated by Exposure</b>	
No information available	

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Expected to be harmful to aquatic organisms.

**Persistence and degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in soil:** Forms a stable emulsion with water.

### 13. DISPOSAL CONSIDERATIONS

**Disposal method and Containers**

Dispose according to applicable local and state government regulations.

Empty containers may contain residue and can be dangerous. Packaging should be recycled and disposal via incineration or landfill should only be considered when recycling not possible. Do not pressurize, cut, weld, braze, solder, drill grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.



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### **Special precautions for incineration or landfill**

Consult your state Land Waste Management Authority for more information. Product may be suitable for burning in an enclosed controlled burner for fuel value or disposal by incineration at very high temperatures.

### 14. TRANSPORT INFORMATION

	Australian Dangerous Goods (ADG)	International Maritime Dangerous Goods (IMDG)	International Air Transport Association (IATA)
<b>UN Number</b>	Not regulated	Not regulated	Not regulated
<b>UN Proper Shipping Name</b>	n/a	n/a	n/a
<b>Dangerous Goods Class</b>	n/a	n/a	n/a
<b>Packing Group</b>	n/a	n/a	n/a

**Special precautions for user:** None Available

### 15. REGULATORY INFORMATION

#### **Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) – Poison Schedule**

S6

#### **Australian Inventory of Chemical Substances (AICS)**

All components are listed or exempt

### 16. OTHER INFORMATION

Prepared by Lidomont Pty Ltd, 15 Pinnacle St Brendale QLD

#### **Revision information**

**Previous Versions:** 26-Oct-16

Date and Changes: Updated and Revised 01-Jul-21

#### **Abbreviations Used**

GHS, Globally Harmonised System of classification and labelling of chemicals

CAS, Chemical Abstracts Service (Division of American Chemical Society)

LC50, Lethal concentration 50%

LD50, Lethal dose 50%

STEL, Short Term Exposure Limit

TWA, Time Weighted Average

UN, United Nations

n/a, Not applicable

#### **Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of practice for the Preparation of Safety Data Sheets for Hazardous Chemicals – July 2020. The information and recommendations contained



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