

## SAFETY DATA SHEET

### 1: IDENTIFICATION

**Product identifier:** SYNX-IG

**Other means of identification:** Synthetic gear oil.

**Recommended use of the chemical and restrictions on use:** Industrial gear lubricant

**Manufacturer:** Quality Performance Lubes  
Factory 1, JBD Industrial Park,  
25 Rowsley Station Road, Maddingley. Victoria 3340  
Phone: 03 5367 8794 (Mon – Fri. 8.00 am to 4.00 pm)  
Email: info@qplubes.com

**Emergency phone number:** 13 11 26 – Australian Poison Information Centre.

### 2: HAZARD IDENTIFICATION

This mixture is a NON-HAZARDOUS substance in accordance to Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 (2004)] 3<sup>rd</sup> Edition

**GHS Hazard Category:** None allocated

**Label Elements:**

- **Signal word:** None allocated
- **Hazard statement:** None allocated

**Precautionary statements:**

- **Prevention:** None allocated
- **Response:** None allocated
- **Storage:** None allocated
- **Disposal:** None allocated
- **Other:** This product is NOT specified as dangerous in the ADG Code.

### 3: COMPOSITION AND INFORMATION ON INGREDIENTS

This material is defined as a mixture. No hazardous or complex substance(s) required for disclosure.

#### 4: FIRST AID MEASURES

**Eye Contact:** Hold eyelids open and irrigate with water for at least 15 minutes. Seek medical attention if irritation occurs.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and wash skin or hair thoroughly with running water. Ensure any contaminated clothing is washed before reuse. Seek medical attention if irritation becomes apparent.

**Inhalation:** Remove to fresh air, remove contaminated clothing and loosen remaining clothing. Allow patient to obtain a comfortable position and keep warm. Should any dizziness or nausea occur seek medical attention.

**Ingestion:** Do NOT induce vomiting, wash out mouth with water. Seek medical attention.

**Medical attention and Special treatment:** Treat symptomatically. Present this SDS to the medical practitioner.

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#### 5: FIRE-FIGHTING MEASURES

**Extinguishing media:** In case of fire use water fog, foam, dry chemical or carbon dioxide extinguisher. Do not use water jets as this may tend to spread any burning material.

**Hazards from combustion products:** Burning product may evolve toxic fumes. Combustion will generate a mixture of airborne solids, liquids and gases, particularly carbon and sulphur oxides.

**Protection of fire fighters:** Wear self-contained breathing apparatus and full protective equipment.

**Hazchem Code:** Non allocated.

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#### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin and eyes; wear appropriate protective clothing to avoid contact with product, including PVC suiting and safety glasses or full face shield.

**Emergency Procedures:** Personal protective equipment must be worn. Ventilate area if spilled in confined space or other areas poorly ventilated.

**Environmental Precautions:** Prevent entry to sewers, waterways and storm water systems. Pick up free liquid for recycling or disposal. Residual liquid can be absorbed by inert materials. Immediately inform local authorities if full containment cannot be achieved.

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#### 7: HANDLING AND STORAGE

**Handling:** Avoid prolonged or repeated contact with all lubricant products. When handling, ensure all safety apparel and footwear is worn. The use of the correct materials handling equipment is essential. All care should be taken to avoid spillages; any absorbent materials should be disposed of immediately to avoid fire hazards

**Storage:** Keep in a cool, dry, well ventilated area. Avoid direct sunlight and other heat sources. All containers should be tightly closed and sealed and must not be stored with any strong oxidizing agents. Ambient temperatures should not be more than 50°C.

**Container Materials:** Use only mild steel or high density polyethylene containers, PVC containers are unsuitable.

**Combustibility:** Combustible liquid Class C2 according to Australian Standard 1940.

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## 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure limits:** Mineral oil mist, TWA: 5mg/m<sup>3</sup>. (Regulation NOHSC: 1003).

**Biological Limit values:** No biological limit has been allocated.

**Engineering Controls:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use mechanical handling to reduce contact with materials. Keep containers closed when not in use.

### Personal Protective Equipment:

- **Eye/ face protection:** Use safety glasses with side protection shields or a full face shield if any splashing is likely to occur.
- **Skin Protection:** Wear chemical resistant gloves if prolonged or repeated contact is likely. Other protective clothing should be worn as appropriate to the job conditions.
- **Respiratory protection:** Not normally required. If oil mists are generated a respirator fitted with an organic filter cartridge (Type P1) should be used.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear and bright

**Odour:** Characteristic oily odour

**pH:** Not available

**Vapour Pressure:** Not available

**Vapour Density:** Greater than 1 (where Air =1)

**Boiling Point:** Not available

**Solubility:** Insoluble in water

**Pour Point (°C):** -39

**Density @ 15°C:** 0.885

**Viscosity @ 40°C:** 220

**Viscosity @ 100°C:** 29.2

**Flash Point (°C, PM):** 260

Note: Physical and chemical properties are typical and are provided for safety, health and environmental considerations only which may not fully represent product specifications. Contact the Supplier for additional information.

## 10: STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Reactivity:** No reactivity hazards are known for this mixture.

**Conditions to avoid:** Avoid ignition sources and prolonged exposure to elevated temperatures.

**Incompatible materials:** Strong oxidising materials.

**Possibility of Hazardous Reactions:** Under normal conditions of storage and use, hazardous reactions/polymerization will not occur.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition should not be produced

## 11: TOXICOLOGICAL INFORMATION

### Information on possible routes of exposure:

- **Eyes:** Accidental eye contact may cause short term stinging and redness.
- **Skin:** Repeated contact can defat the skin and lead to irritation/dermatitis.
- **Inhalation:** Unlikely to be a hazard under normal conditions of use. Overexposure to vapours or mist may cause dizziness, headache, nausea and respiratory irritation.
- **Ingestion:** Accidentally swallowed amounts can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed.

### Hazards:

- **Acute toxicity:** Data is not available
- **Skin corrosion/irritation:** This product contains components that may cause mild skin irritation however these are present at amounts below the Concentration cut-off level. Prolonged or repeated skin contact as from wet clothing with product may cause dermatitis. Symptoms may include redness, edema, drying and cracking of skin. Pre-existing skin conditions may be aggravated by prolonged or repeated exposure.
- **Serious eye damage/irritation:** Classified as not corrosive or irritating to eyes.
- **Respiratory or skin sensitisation:** Based on available data, known hazards and low concentration of the components, this product is not expected to be a skin sensitiser. Not classified as a respiratory sensitiser however inhalation of vapours or mist (generated at elevated temperatures or by mechanical action) may cause irritation to the nose, throat and respiratory system.
- **Germ cell mutagenicity:** This product is not expected to be mutagenic or genotoxic based on the available data and the known hazards of the components.
- **Carcinogenicity:** This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
- **Reproductive toxicity:** Classified as non-hazardous.
- **Specific Target Organ Toxicity – single exposure:** Classified as non-hazardous.
- **Specific Target Organ Toxicity – repeated exposure:** Classified as non-hazardous.
- **Aspiration hazard:** Classified as non-hazardous.

### Immediate, delayed and chronic health effects from exposure:

**Exposure levels:** Not determined

**Interactive effects:** Not determined

**Data limitations:** Not determined

## 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not listed as being environmentally hazardous. Some of the components have been rated as may cause long lasting harmful effects to aquatic life.

**Persistence and Degradability:** Based on the available data and the known hazards of the components and similar products the product is not expected to be readily biodegradable. Major constituents are expected to be inherently biodegradable, however the product contains components that may persist in the environment.

**Bioaccumulative potential:** This product is not expected to bioaccumulate through food chains in the environment.

**Mobility in soil:** If the product enters soil, based upon similar products it is expected that it will adsorb onto soil particles and will not be mobile.

**Other adverse effects:** Spillages may form a film on water causing physical damage to organisms; oxygen transfer may be impaired. Based on the available data and the known hazards of the components and similar products the product is not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. The product is a mixture of non-volatile components, which are not expected to be released to the air in any significant amounts.

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### 13: DISPOSAL CONSIDERATIONS

**Safe Handling and Disposal Methods:** Avoid any spillage run off to soil or waterways. Ensure NO use of sewage facilities for disposal.

**Disposal of Contaminated packaging:** Use an approved contractor for disposal of the product and containers for recycling.

**Environmental regulations:** Follow prevailing regulations for recycling or disposal of used oils.

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### 14: TRANSPORT INFORMATION

**UN Number:** None Allocated.

**UN Proper Shipping Name:** None Allocated.

**Transport Hazard class(s):** None Allocated.

**Packaging Group:** None Allocated.

**Environmental Hazards:** Not determined

**Special precautions for user:** No known other precautions required.

**Hazchem Code:** None Allocated.

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### 15: REGULATORY INFORMATION

**Safety, Health and Environmental Regulations:**

Standard for the Uniform Scheduling of Medicines and Poisons: Not scheduled

Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 (2004)] 3rd Edition

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment; [NOHSC: 1003 (1995)]

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### 16: OTHER RELEVANT INFORMATION

**Date of Preparation:** February 3<sup>rd</sup> 2020

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported hazards are risks in the workplace or other settings. Risks may be determined by reference to exposures scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.



#### Used oils:

As supplied, this product does not show any carcinogenic effects. However, during use the oil can acquire impurities, which present risks to health that did not exist in the unused oil. Since the nature and level of impurities varies according to conditions of use, it is most sensible to assume that all used oil may cause skin cancer, and to minimize contact with all used oils as far as is possible. Used oil should not be allowed to contaminate soil or water.

#### Abbreviations:

**GHS** Globally Harmonized System of Classification and Labelling of Chemicals

**NOHSC** National Occupational Health and Safety Commission

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

**TWA** The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

#### Literary References:

Australian Work Health and Safety Regulation 2011

Safe Work Australia: *Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice; February 2016*

CONCAWE – *Hazard classification and labelling of petroleum substances in the European Economic Area – 2012*

Safe Work Australia – *HSIS – Hazardous Substances Information System (Australia) – December 2015*

United Nations – *Globally Harmonised System of Classification and Labelling of Chemicals – 6<sup>th</sup> revised edition (2015)*

Australian Code for the Transport of Dangerous Goods by Road and Rail, Edition 7.4 Update June 2016

For detailed advice on Personal Protective equipment, refer to the following Australian Standards:

HB9 (Handbook 9) Manual of industrial personal protection.

AS 1337 Eye protectors for industrial applications.

AS 1715 Selection, use and maintenance of respiratory protective devices.

AS 1716 Respiratory protective devices.

#### Important Disclaimer:

All reasonable care has been taken in the preparation of the advice and information contained in this SDS and is correct at the time of preparation. No liability whatsoever is accepted for any loss or damage as a consequence of the use of such advice and information. As QPLubes cannot control the conditions under which this product may be used, each user must review this SDS in the context of how the user intends to handle and use the product in the workplace.

...End of SDS...