

## Section 1 - Identification of the Material and Supplier

**Product Name:** Asp (Lithplex EP0 20kg)  
**Product Code:**  
**Product Use:** Multi-Purpose Lithium Soap-Based Grease for Industrial Use

**Supplier:** Oil Intel Limited  
 56 Whakatu Road, Whakatu  
 Hastings 4172  
 NEW ZEALAND  
 Phone: +64 (06) 871 53 25  
 Fax: +64 (06) 870 48 90

**EMERGENCY TELEPHONE NUMBER:** 0800 734 607 (New Zealand)  
**Chemical Nature:**  
**Creation Date:** December 2013  
**This Version Issued:** July 2018 and is valid for 5 years from this date.

## Section 2 – Hazards Identification

### Statement of Hazardous Nature

This product is classified as: Non-Hazardous. Non-Dangerous Goods.

**NOHSC Classification:** Not classified as hazardous.

**ADG Classification:** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Note: Combustible materials may be classified as Class 9: Miscellaneous Dangerous Goods if transported with flammable materials. See ADG code for further information.

## Section 3 – Composition/Information on Ingredients

Ingredients	CAS No.	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
All ingredients determined not to be hazardous	Not required	100		

## Section 4 – First Aid Measures

**Ingestion:** Do NOT induce vomiting. Immediately wash out mouth with water, and then give plenty of water to drink. Seek medical attention.

**Eyes:** Rinse eyes immediately with water for at least 15 minutes. In case of irritation, seek medical advice.

**Skin:** Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops and persists, seek medical attention. Should grease be accidentally injected under the skin, no matter how minor, seek IMMEDIATE medical attention.

**Inhaled:** Remove the patient to fresh air. Ensure airways are clear and have a qualified person give oxygen through a facemask if breathing is difficult. If irritation develops, seek medical attention.

**First Aid Facilities:** No special facilities required.

**Advice to Doctor:** Treat symptomatically. Note: High Pressure Applications i.e. Injections under the skin resulting from contact with high pressure constitutes a major medical emergency. Injuries may not appear serious at first but within a few hours, tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that the high pressure may force the product considerable distance along tissue.

## Section 5 – Fire Fighting Measures

**Fire/Explosion Hazard:** Classified as C2 (Combustible liquid).

**Means of Extinction:** Use water as fog or spray to cool fire exposed containers. Do not use direct stream of water;

product will float, possibly re-igniting.

**Fire Fighting Precautions:** Self-Contained Breathing Apparatus (SCBA) and full protective clothing should be worn.

**Flashpoint:** >240°C (COC)

**Hazchem Code:** None allocated.

**Hazards from Combustion Products:** Carbon oxides.

## Section 6 – Accidental Release Measures

**Leak and Spill Procedures:** SMALL – 20 LITRES OR LESS Soak up with inert oil absorbent. Arrange for disposal through an approved facility. LARGE – GREATER THAN 20 LITRES Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority or your local Waste Management Authority.

## Section 7 – Handling and Storage

**Handling Procedures and Equipment:** Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact, maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of the empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.

**Storage Requirements:** Classified as a combustible substance for storage and handling purposes. Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to the Australian Standard AS1940 – The storage and handling of flammable and combustible liquids.

## Section 8 – Exposure Controls and Personal Protection

### SWA Exposure Limits

Oil, mineral

TWA (mg/m<sup>3</sup>)

5 (mist)

SWA (mg/m<sup>3</sup>)

10 (mist)

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).

**Biological Limit Values:** No biological limit allocated.

**Engineering Control:** The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended threshold exposure limits.

**Respirator Type:** Avoid breathing vapours or mists. Select and use respirators in accordance with AS/NZS 1715/1716. When vapours are generated, the use of the following is recommended; half-face piece respirator with dust/mist filters. The appropriate filter capacity and respirator type will depend on exposure levels encountered.

**Eye Protection:** Chemical safety goggles are recommended. If handled hot, full face shields should be worn.

**Glove Type:** Use of impervious rubber gloves is recommended.

**Clothing:** Clothing should be suitable to avoid product contacting the skin on a prolonged or repeated basis.

## Section 9 – Physical and Chemical Properties

<b>Physical State:</b>	Solid
<b>Odour and Appearance:</b>	Negligible. Dark Brown Smooth Grease.
<b>Melting Point:</b>	>180 <sup>0</sup> C
<b>Boiling Point:</b>	N/A
<b>Vapour Pressure:</b>	N/A
<b>Vapour Density:</b>	N/A
<b>pH:</b>	N/A
<b>Specific Gravity:</b>	Approx. 0.9 g/cm <sup>3</sup>
<b>Flashpoint:</b>	>240 <sup>0</sup> C (COC)
<b>Upper Explosion Limit:</b>	N/A
<b>Lower Explosion Limit:</b>	N/A
<b>Solubility in Water:</b>	<0.1 g/L
<b>Penetration, Worked at 25<sup>0</sup>C 60 Strokes:</b>	360-380

## Section 10 – Stability and Reactivity

**Chemical Stability:** Stable under normal conditions of storage and handling.

**Incompatible Materials:** Strong oxidising materials.

**Hazardous Reactions:** No hazardous polymerisation will occur.

**Hazardous Decomposition Products:** Carbon oxides.

## Section 11 – Toxicological Information

**Toxicity:** The classification as a carcinogen need not apply in this case as the main constituents of this product are in accordance with Note L of the NOHSC Designated List of Hazardous Substances (containing less than 3% DMSO extract as measured by IP 346).

### Routes of Entry:

- **Skin Contact:** May dry and defat the skin resulting in a skin irritation and possible dermatitis. Grease accidentally injected under the skin can result in local necrosis and tissue damage.
- **Eyes:** May cause slight to moderate eye irritation, resulting in redness and stinging.
- **Inhalation:** May cause irritation to the mucous membrane and upper airways, especially if the material is heated or mists are generated and/or is used in poorly ventilated areas. Symptoms may include headaches dizziness and nausea.
- **Ingestion:** May cause irritation to the mouth, oesophagus and stomach. Symptoms may include nausea, vomiting and diarrhoea.

## Section 12 – Ecological Information

**Ecotoxicity:** No ecotoxicological classifications.

**Persistence and Degradability:** This product is inherently biodegradable.

**Mobility:** Spillages are unlikely to penetrate the soil.

## Section 13 – Disposal Considerations

**Waste Disposal:** Dispose of waste according to national and local regulations. Assure conformity with all applicable regulations.

## Section 14 – Transport Information

**UN Number:** None allocated

**DG Class:** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Note Combustible materials may be classified as Class 9: Miscellaneous Dangerous Goods if transported with flammable materials. See ADG code for further information.

## Section 15 – Regulatory Information

### New Zealand Regulatory Information:

**HSNO Approval Number** HSR002605

**HSNO Group Standard** Lubricants (Low Hazard) Group Standard 2006

**HSNO Classification** 6.3 - SKIN IRRITATION - Category B  
6.4 - EYE IRRITATION - Category A (Irritant)  
9.1 - AQUATIC ECOTOXICITY - Category D

### Regulation according to other foreign laws:

**AICS:** All ingredients present on AICS.

## Section 16 – Other Information

**This MSDS contains only safety-related information. For other data see product literature.**

### **Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR

PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

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