

MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

AIR TOOL OIL ZS 22

DATE :

(MSDS date)

01.07.2018

1. Manufacturer/Supplier :

PPS Industries Limited
86 Hugo Johnston Drive, Auckland
New Zealand
P.O.Box 12823, Penrose, Auckland 1642
Phone : 64 9 579-1001
Facsimile : 64 9 579-9497
Emergency Phone : 0800 657-894
Website: www.ppsindustries.co.nz

Emergency Information :

National Poison Centre 0800 764-766
Chemcall 24/7 Emergency Response Service : 0800 243-622

13. Disposal Considerations :

Product

Recommendation - Consult local or national regulations to ensure proper disposal.

Packaging

Disposal must be made according to official regulations.

16. Other Information :

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Section 1 - Identification of the Material and Supplier

Product Name: Air Tool Oil ZS 22
Product Code:
Product Use: Pneumatic Tool Lubricant

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: Product containing mineral oil with <3% DMSO extract as measured by IP346.
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. Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Non-Hazardous – No criteria found.

Safety Phrases: S23, S25. Do not breathe mists. Avoid contact with eyes.

SUSMP Classification: None allocated

ADG Classification: None allocated

UN Number: None allocated

Potential Health Effects

May cause allergic reactions.

Inhalation

- **Short Term Exposure:** Available data indicates that this product is not harmful. In addition, product is unlikely to cause any discomfort or irritation. Inhalation of high concentration of aerosols may cause mild irritation of the throat.
- **Long Term Exposure:** No data for health effects associated with long term inhalation.

Skin Contact

- **Short Term Exposure:** Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition, product is unlikely to cause any discomfort in normal use.
- **Long Term Exposure:** Oil blisters may develop following prolonged and repeated exposure through contact with stained clothing.

Eye Contact

- **Short Term Exposure:** This product may be mildly irritating to the eyes, but it is unlikely to cause anything more than mild discomfort which should disappear once the product is removed.
- **Long Term Exposure:** No data for health effects associated with long term eye exposure.

Ingestion

- **Short Term Exposure:** Significant oral exposure is considered unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.
- **Long Term Exposure:** No data for health effects associated with long term ingestion.

Carcinogen Status

- **SWA:** No significant ingredient is classified as carcinogenic by SWA.
- **NTP:** No significant ingredient is classified as carcinogenic by NTP.
- **IARC:** No significant ingredient is classified as carcinogenic by IARC.

Section 3 – Composition/Information on Ingredients

Ingredients	CAS No.	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Oil, mineral	8012-95-1	>90	5 (mists)	not set
Alkylphenol		>0.2	not set	not set
Zinc alkyl dithiophosphate	68649-42-3	<0.6	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

Section 4 – First Aid Measures

General Information: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 in New Zealand and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Gently blot away excess liquid. Irritation is unlikely. However if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: Quickly and gently blot material from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 – Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. This product is classified as a C2 combustible product. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product are likely to be irritating if inhaled.

Means of Extinction: Use foam, CO₂, dry chemical or water fog.

Flashpoint: >180°C, ASTM D 92

Upper Explosion Limit (% by volume): N/A

Lower Explosion Limit (% by volume): N/A

Autoignition Temperature: >250°C (ASTM E 659-78) This temperature may be significantly lower under particular conditions (slow oxidation of finely divided materials).

Flammability Classification: C2

Section 6 – Accidental Release Measures

Leak and Spill Procedures: Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include nitrile and neoprene. Eye/face protective equipment should be worn such as protective glasses or preferably goggles. If there is significant chance that vapours or mists are likely to build up in the clean-up area, we recommend that you use a respirator. Usually no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Stop leak if

safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Can be slippery on floors, especially when wet. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

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 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 sunlight. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Some liquid preparations settle or separate on standing and may require stirring before use. Reference should be made to Australian Standard AS1940 – The storage and handling of flammable and combustible liquids.

Section 8 – Exposure Controls and Personal Protection

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m³)	STEL (mg/m³)
Oil, mineral	5 (mist)	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: nitrile, neoprene.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 – Physical and Chemical Properties

Physical State:	Liquid
Odour and Appearance:	Distinctive. Clear Yellow Liquid.
Specific Gravity:	0.865 at 15 ^o C
Vapour Pressure:	Nil at normal ambient temperatures.

Vapour Density: (Air = 1)	N/A
Boiling Point:	N/A
Pour Point:	<-21 ⁰ C (ASTM D 97)
Volatiles:	Nil at 100 ⁰ C
pH:	N/A
Coeff of Water/Oil Distribution:	Log P _{ow} >6 at 20 ⁰ C
Kinematic Viscosity:	22mm ² /s at 40 ⁰ C
Autoignition Temperature:	>250 ⁰ C (ASTM E 659-78)

Section 10 – Stability and Reactivity

Chemical Stability: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Incompatible Materials: Strong oxidising agents.

Conditions of Reactivity: This product should be kept in a cool place, preferably below 30⁰C. Keep containers tightly closed. Containers should be kept dry.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and various other hydrocarbons, aldehydes and smoke. Water is also formed along with small quantities of oxides of nitrogen, sulphur, zinc and phosphorus. Carbon monoxide poisoning produces headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 – Toxicological Information

Chronic Over Exposure Effects: Characteristic skin affections (oil blisters) may develop following prolonged and repeated exposure through contact with stained clothing.

Hazardous Ingredients:

Zinc alkyldithiophosphate:

- EC₅₀ *Daphnia magna* (48h) 1-1.5mg/L
- LC₅₀ *Pimephales promelas* (static) (96h) 1.0-5.0mg/L
- LC₅₀ *Pimephales promelas* (semi-static) (96h) 10.0-35.0mg/L

Section 12 – Ecological Information

Ecotoxicity: This product is biodegradable. It will not accumulate in the soil or water or cause long term problems. Experimental data on the finished product is not available. It is considered to present little danger for aquatic life. No information available for used product.

Mobility

- **Air:** There is slow loss by evaporation.
- **Water:** The product is insoluble; it spreads on the surface of water.
- **Soil:** Given its physical and chemical characteristics, the product generally shows little mobility in the ground.

Persistence and Degradability: No experimental information about the finished product. However the 'mineral oil' fraction of the new product is intrinsically biodegradable. Some components of the product may not be biodegradable.

Section 13 – Disposal Considerations

Waste Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration, or landfill.

Section 14 – Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

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 of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 – Other Information

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

Acronyms:

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