

# Safety Data Sheet



## Section 1 - Identification of the Material and Supplier

**Product Name:** Valona MS 7023  
**Product Code:** HAI  
**Product Use:** Neat Metalworking Oil  
**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 less than 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-Dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments.

**Physical-Chemical Hazards:** Contaminated surfaces will be extremely slippery.

**Environmental Properties:** Should not be released into the environment.

## Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	Symbol	R-Phrases
Polysulphides, ditertdodecyl	68425-15-0	<5		R-53

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

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

## Section 4 - First Aid Measures

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**General Information:** IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

**Inhalation:** Move to fresh air. Inhalation of vapours in high concentration may cause irritation of the respiratory system.

**Skin Contact:** Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before re-use.

**Eye Contact:** Rinse thoroughly with plenty of water, also under the eyelids.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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## Section 5 - Fire Fighting Measures

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**Special Hazards:** Incomplete combustion and thermolysis may produce gases of various toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. Combustion products include sulphur oxides and hydrogen sulphide.

**Extinguishing Media:** Suitable extinguishing media are water spray or fog, foam, carbon dioxide and ABC powder. Do not use a solid water stream as it may scatter and spread fire.

**Fire Fighting:** Wear self-contained breathing apparatus and protective suit. Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## Section 6 - Accidental Release Measures

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**Accidental Release:** Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained. Dam up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous ear, vermiculite) and place in a container for disposal according to local/national regulations. Keep in suitable, closed containers for disposal.

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## Section 7 - Handling and Storage

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**Handling:** When using, do not eat, drink or smoke. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharges; ground/bond containers, tanks and transfer/receiving equipment. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into work-wear pockets. Avoid prolonged and repeated contact with the skin, especially with used or waste product.

**Storage:** Keep away from food, drink and animal feeding stuffs. Keep in a bunded area. Keep container tightly closed. Protect from frost, heat and sunlight. Protect from moisture. Keep at temperatures between 5 and 40°C. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Avoid strong oxidising agents and acids. Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture. Avoid strong oxidising agents.

## 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/NZS221**

**Exposure Limits:** Oil mist: 10mg/m<sup>3</sup> for 15 minutes. Oil mist: 5mg/m<sup>3</sup> for 8 hours.

### DNEL Worker (Industrial/Professional)

Chemical Name	Long Term Systemic Effects
Polysulphides, ditertdodecyl (68425-15-0)	23.5mg/m <sup>3</sup> – Inhalation 33.3mg/kg/bw/day – Dermal

### DNEL Consumer

Chemical Name	Long Term Systemic Effects
Polysulphides, ditertdodecyl (68425-15-0)	5.8mg/m <sup>3</sup> – Inhalation 1.66mg/kg/bw/day – Ingestion 16.6mg/kg/bw/day – Dermal

### PNEC – Predicted No Effect Concentration:

Chemical Name	STP	Oral
Polysulphides, ditertdodecyl (68425-15-0)	1g/L	66.7mg/kg food

**Engineering Measures:** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment. The product should not be allowed to enter drains, water courses or the soil.

**General Information:** If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

**Eye Protection:** If splashes are likely to occur, wear safety glasses with side-shields.

**Skin Protection:** Wear suitable protective clothing including protective shoes or boots and long sleeved clothing.

**Hand Protection:** Wear impervious gloves which are hydrocarbon-proof made from fluorinated or nitrile rubber. Please observe the instructions regarding permeability and break through time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts and abrasions. If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the EC approved gloves.

**Respiratory Protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapour/particulate (EN 141). The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

## Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; Colour:</b>	Yellow limpid liquid
<b>Odour:</b>	Characteristic odour
<b>Boiling Point:</b>	Not available
<b>Pour Point:</b>	No data
<b>Flashpoint:</b>	189°C (C.O.C)
<b>pH:</b>	No data
<b>Density:</b>	880kg/m <sup>3</sup> at 15°C
<b>Water Solubility:</b>	Insoluble
<b>Solubility in Organic Solvents:</b>	No data
<b>Explosive Properties:</b>	Not explosive

**Autoignition Temperature:** No data  
**Kinematic Viscosity:** 23mm<sup>2</sup>/sec at 40°C

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## Section 10 - Stability and Reactivity

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**Reactivity:** The product is stable under recommended storage conditions.

**Conditions to Avoid:** Heat (temperatures above flashpoint), sparks, ignition points, flames, static electricity.

**Incompatible Materials:** Strong oxidising agents.

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## Section 11 - Toxicological Information

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**Skin Contact:** Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

**Inhalation:** Inhalation of vapours in high concentration may cause irritation of the respiratory system.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Sensitization:** Not classified as a sensitizer.

**Special Effects:** This product is not classified as carcinogenic, mutagenic nor does it contain any known or suspected reproductive hazards.

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## Section 12 - Ecological Information

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### Ecotoxicity:

Polysulphides, ditertdodecyl (68425-15-0): **Toxicity to Algae**

- NOEC (72h) (*Pseudokirchneriella subcapitata* – OECD 201) <0.08mg/L **Toxicity to Daphnia and Other Aquatic Invertebrates**

- NOEC (48h) (*Daphnia magna*) <0.1mg/L

### **Toxicity to Fish**

- LC<sub>50</sub> (96h) (*Danio rerio* – OECD 203) >100mg/L

### **Toxicity to Microorganisms**

- IC<sub>50</sub> (16h) (*Pseudomonas putida*) 10000mg/L

### **Mobility:**

- **Soil:** Given its physical and chemical characteristics, the product generally shows low soil mobility.
  - **Water:** Insoluble. The product spreads on the surface of water.
  - **Air:** Loss by evaporation is limited.
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## Section 13 - Disposal Considerations

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**Waste Disposal:** Should not be released into the environment. Do not empty into drains. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. The following Waste Codes are only suggestions: 12 01 07. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

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## Section 14 - Transport Information

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## Section 15 - Regulatory Information

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### New Zealand Regulatory Information:

<b>HSNO Approval Number</b>	HSR002605
<b>HSNO Group Standard</b>	Lubricants (Low Hazard) Group Standard 2006
<b>HSNO Classification</b>	6.3 - SKIN IRRITATION - Category B 6.4 - EYE IRRITATION - Category A (Irritant) 9.1 - AQUATIC ECOTOXICITY - Category D

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## Section 16 - Other Information

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**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.

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