

# Safety Data Sheet



## OILRid™ Step 1

### 1. IDENTIFICATION

**Product Name:** OILRid™ Step 1  
**Other Names:** -  
**Use:** Component for Step 1/Step 2 Oil Spill Cleanup product

**Supplier:** CleanFuture Australasia Limited  
**Address:** 57 Henderson Valley Road, Henderson, Auckland 0650  
**Website:** [www.oilrid.co.nz](http://www.oilrid.co.nz)  
**Telephone:** 021 664 829

**Emergency phone:** **0800 764 766 [National Poisons Centre]**  
**111 [Fire, Ambulance, Police]**

### 2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the New Zealand *Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001* of the HSNO Act, 1996.

**Group Standard:** Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2006; HSR002503  
**HSNO Classifications:** 6.3A, 6.4A

**Pictogram:**



**Signal word:** **WARNING**

**Hazard Statements:**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**Prevention Statements:**

P103 Read label before use.  
P264 Wash hands and exposed skin thoroughly after handling.  
P280 Wear protective clothing, gloves and eye protection.

**Response Statements:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical advice.  
P362 Take off contaminated clothing and wash before re-use.  
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 occurs: Get medical attention.

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### Storage Statements:

-

### Disposal Statements:

P501 Dispose of product and containers in accordance with local regulations.

### 3. COMPOSITION : Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Sodium silicate	1344-09-8	<18
Surfactant 1	Proprietary	<2
Surfactant 2	Proprietary	<2
Water	7732-18-5	>78

### 4. FIRST AID MEASURES

For advice, contact the National Poisons Centre (Phone New Zealand: 0800 764 766) or a doctor. Have product label or Safety Data Sheet at hand.

#### Swallowed:

Rinse mouth thoroughly with water, then give plenty of water to drink. Do not induce vomiting. Get medical advice. Do not give anything by mouth to a person who is unconscious.

#### Inhalation:

Move the victim to fresh air immediately and keep warm and at rest until recovered. Get medical attention if person is experiencing any symptoms or respiratory problems.

#### Skin Contact:

Remove contaminated clothing. Wash skin with plenty of water. If irritation persists, get medical attention. Launder clothing and clean contaminated equipment before re-use.

#### Eye Contact:

Immediately flush the eye continuously with gently flowing water for 15 minutes while holding the eyelids open. Remove contact lenses, if present and easy to do, after flushing eyes for 5 minutes then continue rinsing. Get immediate medical advice.

#### First Aid facilities:

Provide eye baths and safety showers close to areas where splashing may occur.

#### Advice to Physician: Treat symptomatically.

Solutions of sodium silicate are alkaline. Exposure to alkaline solutions may result in irritation to any contacted tissue, including possible burns, depending on the concentration, duration, and nature of the exposure. This material is not a crystalline silica, and it does not cause pulmonary silicosis. The toxicity of sodium silicate is dependent on the silica to alkali ratio and on the pH.

### 5. FIRE FIGHTING MEASURES

Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.

**Suitable extinguishing media:** Use media (water, alcohol resistant foam, dry chemical or carbon dioxide) as appropriate to surrounding materials.

**Hazards from combustion products:** Thermal decomposition may produce smoke and unknown harmful compounds.

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**Precautions for fire fighters and special protective equipment:** Self-contained breathing apparatus with full face-piece and protective clothing. Keep away from fire and upwind of fire.

Sensitivity to Mechanical Impact:	Not sensitive.
Sensitivity to Static Discharge:	Not sensitive.
Lower Flammability Level (air):	Not flammable
Upper Flammability Level (air):	Not flammable
Flash point:	Not flammable
Auto-ignition Temperature:	Not applicable

### 6. ACCIDENTAL RELEASE MEASURES

#### **Emergency Procedures:**

Wear appropriate personal protection equipment to prevent skin, eye and respiratory exposure. Dries to form glass film which can easily cut skin. Spilled material may cause a slipping hazard.

#### **Methods and materials for containment**

Contain spill. Ventilate area. Use Step 2 of the Step 1/Step 2 oil clean-up product in containing the spill. Shovel or sweep up or use industrial vacuum cleaner after spillage has dried. Recover into labeled container for disposal.

### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Read label and Safety Data Sheet before use. Use in well ventilated area. Avoid contact with skin or eyes. Wash hands and exposed skin after use and before rest or meal breaks. Observe good personal hygiene practices.

**Conditions for safe storage:** Store locked up in closed containers. Keep product out of reach of children. Segregate product from acids. Protect product from freezing. Protect containers from physical damage.

**Incompatible materials:** Acids.

**Other:** Changing out of work clothing and showering recommended at the end of each work shift. Wash work clothes separately from other household clothing.

### 8. EXPOSURE CONTROLS : PERSONAL PROTECTION

**Health Exposure Standards:** NZ Workplace Exposure Standards (WES) have not been set for components in this substance.

**Biological limit values:** None established

#### **Engineering Controls:**

**Ventilation:** Use in well-ventilated area.

#### **Personal Protective Equipment:**

**Respiratory Protection:** Respiratory protection may be necessary under certain use conditions, e.g. generation of fine mist and limited ventilation. Under such conditions, an approved cartridge type respirator for organic vapours and dusts according to local standards, must be worn. Refer to AS/NZS 1715 and AS/NZS 1716 for types, selection, use and maintenance of respiratory equipment.

**Eye Protection:** Use safety goggles or safety glasses where there is a risk of splashing.

**Skin/ Body Protection:** Recommended to wear suitable gloves, e.g. PVC. Wear coveralls/overalls to protect normal clothing and waterproof boots.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical value
Appearance	Colourless to light yellow liquid
Odour	Mild
Boiling Point/Range °C	~100
Flash Point °C	Non-flammable
Density g/ml @ 20 °C	1.18
Vapour Pressure mm Hg @ 20°C	Not applicable
Vapour Density kPa @ 20°C	Heavier than air
Autoignition Temperature °C	Not Flammable
Explosive Limits in Air %	Not Flammable
Evaporation rate (butyl acetate = 1)	Not Applicable
Solubility in Water	Complete
pH	<11.5

### 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal temperatures and pressures.

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

**Conditions to avoid:** Prolonged contact with incompatible metals may produce flammable hydrogen gas. Contact with acids, aluminium, zinc, tin, brass, bronze, copper, lead and their alloys evolving hydrogen gas can form an explosive mixture with air.

**Hazardous decomposition products:** Thermal decomposition may produce unknown harmful components in smoke.

**Hazardous reactions:** None specified.

### 11. TOXICOLOGICAL INFORMATION

**Acute Effects:**

**Ingestion:** May have harmful effects if ingested. Symptoms may include diarrhea, nausea and vomiting.

**Eye Contact:** Causes eye irritation with symptoms of discomfort, pain, tearing and redness.

**Skin Contact:** Contact with the concentrate product will cause irritation.

**Inhalation:** Aerosol mist may cause respiratory irritation if used in a confined space. Symptoms may include cough and sore throat.

**Chronic Effects:** No specific adverse effects identified for repeated or prolonged exposure.

### 12. ECOLOGICAL INFORMATION

This product has not been classified as being ecotoxic in the aquatic environment. However, do not contaminate open waterways, sewers, or drains when disposing of containers, residues or waste.

**Toxicity of sodium silicate:**

*Brachydanio rerio* LC<sub>50</sub> (96 hr) 1108 mg/L

*Daphnia magna* EC<sub>50</sub> (48 hr) 1700 mg/L

**Persistence/degradability:** This material is believed to persist in the environment, but the material is inorganic and not subject to biodegradation. The material is not expected to bioconcentrate in organisms.

**Mobility:** No specific information available.

**Other:** No specific information available.

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### 13. DISPOSAL CONSIDERATIONS

**Disposal Methods:** Empty containers may retain product residue. Do not distribute, make available, furnish or reuse empty containers or tanks except for storage and shipment of original product. Remove all product residue from container by triple rinsing with water. Recycle washings through treatment system.

**Special Precautions for Landfill or Incineration:** Disposal of this product must comply with any legislative or regulatory requirements for which approval should be sought from the appropriate Authority.

### 14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	Not regulated	UN No.	Not regulated	UN No.	Not regulated
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

#### **Dangerous Goods Segregation**

This product is not classified as a Dangerous Good.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

### 15. REGULATORY INFORMATION

**Country:** New Zealand  
**Inventory:** NZ Inventory of Chemicals  
**Status:** Components listed

#### **HSNO Act 1996:**

**EPA New Zealand Approval Code:** HSR002503

Additives, Process Chemicals and Raw Materials (Subsidiary) Group Standard 2006;

**HSNO Controls:** Refer to [www.epa.govt.nz](http://www.epa.govt.nz) for information on Controls.

### 16. OTHER INFORMATION

**Date of Issue:** 30<sup>th</sup> June, 2017.  
**Reasons for Issue:** Change in tradename.  
**Replaces:** 30<sup>th</sup> June, 2017

#### **Abbreviations:**

EPA New Zealand Environmental Protection Authority  
GHS Global Harmonised System  
HSIS Hazardous Substance Information System  
HSNO Hazardous Substances and New Organisms

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Date of Review: June 2022

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NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

### **References:**

EPA CCID [www.epa.govt.nz](http://www.epa.govt.nz)  
Supplier Safety Data Sheet

**Other:** The information contained herein is given in good faith but no warranty, expressed or implied is made.

END OF SAFETY DATA SHEET