

# SAFETY DATA SHEET

**STAG RP/1**

Infosafe No.: LQ9CC  
ISSUED Date : 01/04/2019  
ISSUED by: Industrial Lubricants & Services  
Ltd

## 1. IDENTIFICATION

### GHS Product Identifier

STAG RP/1

### Company Name

Industrial Lubricants & Services Ltd

### Address

PO Box 259 347, Botany, Manukau 2163  
Auckland, New Zealand

### Telephone/Fax Number

Tel: 0800 10 40 11

Fax: 0800 10 40 15

### Emergency phone number

0800 10 40 17

### E-mail Address

orders@industlubes.co.nz

### Recommended use of the chemical and restrictions on use

Water based lubricant for shear and saw in extrusion of metal alloys.

## 2. HAZARD IDENTIFICATION

### GHS classification of the substance/mixture

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.  
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

6.3B Substance that is mildly irritating to the skin

6.5B Substance that is a contact sensitiser

8.3A Substance that is corrosive to ocular tissue

### Signal Word (s)

DANGER

### Hazard Statement (s)

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

### Pictogram (s)

Exclamation mark, Corrosion



**Precautionary statement – Prevention**

P102 Keep out of reach of children.  
P103 Read label before use.  
P104 Read Safety Data Sheet before use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

P310 Immediately call a POISON CENTER or doctor/physician.  
P101 If medical advice is needed, have product container or label at hand.  
P321 Specific treatment (see on this label).  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P363 Wash contaminated clothing before reuse.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Precautionary statement – Disposal**

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients**

Name	CAS	Proportion
Triethanolamine	102-71-6	1-<5 %
Alcohols, C12-15-branched and linear, ethoxylated	106232-83-1	1-<5 %
Alcohol ethoxylate		1-<5 %
3-Isothiazolone, 2-methyl-	2682-20-4	-
Ingredients determined not to be hazardous, including water		Balance

### 4. FIRST-AID MEASURES

**Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

**First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre or a doctor at once (0800 764 766).

## 5. FIRE-FIGHTING MEASURES

---

### Suitable Extinguishing Media

Use carbon dioxide, foam, powder and water spray. Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health.

### Hazards from Combustion Products

Non combustible material.

### Specific Hazards Arising From The Chemical

This product is non combustible.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

## 6. ACCIDENTAL RELEASE MEASURES

---

### Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. The product must not penetrate into the sewer system or come into contact with surface water or ground water. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

As a water based product, if spilt on electrical equipment the product will cause short-circuits.

## 7. HANDLING AND STORAGE

---

### Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Triethanolamine

TWA: 5 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Source: Workplace Exposure Standards and Biological Exposure Indices

### Biological Limit Values

No biological limits allocated

### Appropriate Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Type B filter is recommended. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material (penetration-resistant). Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Yellow liquid
Colour	Yellow	Odour	Characteristic
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	100°C	Solubility in Water	Soluble
pH	9.7	Vapour Pressure	Not available
Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Volatile Component	VOC (Directive 2010/75/EC): 0 VOC (volatile carbon): 0
Partition Coefficient: n-octanol/water	Not available	Density	Not available
Flash Point	Not applicable	Flammability	Not flammable
Auto-Ignition Temperature	Not applicable	Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable	Relative density	0.98

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under normal conditions of storage and handling.

### Reactivity and Stability

Reacts with incompatible materials.

### Conditions to Avoid

None in particular. However, the usual precautions used for chemical products should be respected - extremes of temperature and direct sunlight.

### Incompatible materials

Not available

### **Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes.

### **Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

## **11. TOXICOLOGICAL INFORMATION**

---

### **Toxicology Information**

The toxicity data available for this material and the available acute toxicity data for the ingredients are given below.

#### **Acute Toxicity - Oral**

LD50 of the mixture: >2000 mg/kg

#### **Acute Toxicity - Inhalation**

3-Isothiazolone, 2-methyl-

LC50 (Rat) 0,11 mg/l/4h

#### **Acute Toxicity - Dermal**

Triethanolamine

LD50 (Rabbit): > 2000 mg/kg

3-Isothiazolone, 2-methyl-

LD50 (Rabbit): 242 mg/kg

#### **Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

#### **Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

#### **Skin**

Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

May cause an allergic skin reaction.

#### **Eye**

Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

#### **Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

#### **Skin Sensitisation**

May cause an allergic skin reaction.

#### **Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

#### **Carcinogenicity**

Not considered to be a carcinogenic hazard.

Triethanolamine is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

#### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

#### **STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

#### **STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

#### **Aspiration Hazard**

Not expected to be an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

---

### Ecotoxicity

No ecological data available for this material. The available ecological data for the ingredients is given below:

### Persistence and degradability

TRIETHANOLAMINE

Solubility in water > 1000000 mg/l

Rapidly degradable

Ethoxylated Alcohol

Rapidly degradable

Alcohol, ethoxylate

Rapidly degradable

2-methyl-2H-isothiazol-3-one

Rapidly degradable

### Mobility

TRIETHANOLAMINE

Partition coefficient: soil/water

### Bioaccumulative Potential

TRIETHANOLAMINE

Partition coefficient: n-octanol/water -1,75

BCF < 3,9

2-methyl-2H-isothiazol-3-one

Partition coefficient: n-octanol/water -0,486

### Other Adverse Effects

Not available

### Environmental Protection

Prevent this material entering waterways, drains and sewers.

### Acute Toxicity - Fish

Alcohols, C12-15-branched and linear, ethoxylated

LC50 (Carassius Auratus): 10 mg/l/96h

Alcohol, ethoxylate

Chronic NOEC (Brachydanio rerio): 1 mg/l

3-Isothiazolone, 2-methyl-

LC50 (Oncorhynchus mykiss): 4,77 mg/l/96h

### Acute Toxicity - Daphnia

Alcohols, C12-15-branched and linear, ethoxylated

EC50 (Crustacea- unknown species): 10 mg/l/48h

Alcohol, ethoxylate

EC50 (Daphnia magna): 10 mg/l/48h

Chronic NOEC (Daphnia magna): 1 mg/l

3-Isothiazolone, 2-methyl-

EC50 (Daphnia magna): < 1,9 mg/l/48h

Chronic NOEC (Daphnia magna): 0.04 mg/l

### Acute Toxicity - Algae

Alcohols, C12-15-branched and linear, ethoxylated

EC50 (Desmodesmus subspicatus): 10 mg/l/72h

Chronic NOEC for Fish 1 mg/l Brachydanio rerio

3-Isothiazolone, 2-methyl-

EC50 - (Senastrum capricornutum): 0.158 mg/l/72h

## 13. DISPOSAL CONSIDERATIONS

---

### Disposal considerations

Product Disposal:

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

This product can be disposed through a licensed commercial waste collection service. In this specific case the product is water-based/water-soluble and therefore can be sent through a Waste Water Treatment Plant and after treatment can be discharged into environment through the sewerage or drainage systems as authorized.

Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed. Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

**Container Disposal:**

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.

Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. TRANSPORT INFORMATION

---

**Transport Information**

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433 (2012) Transport of Dangerous Goods on Land.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**U.N. Number**

None Allocated

**UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

## 15. REGULATORY INFORMATION

---

**Regulatory information**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Group Standard: Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2006.

**HSNO Approval Number**

HSR002606

## 16. OTHER INFORMATION

---

### Date of preparation or last revision of SDS

SDS created: April 2019

### References

Workplace Exposure Standards and Biological Exposure Indices.

Transport of Dangerous goods on land NZS 5433.

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).

Assigning a hazardous substance to a group standard.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

## END OF SDS

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

The compilation of SDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any SDS displayed is permitted for personal use only and otherwise is not permitted. In particular the SDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of SDS without the express written consent of Chemical Safety International Pty Ltd.