



# SAFETY DATA SHEET

**STERAKLEEN**

Infosafe No.: 7EFHN  
ISSUED Date : 06/07/2017  
ISSUED by: JASOL NEW ZEALAND

**CLASSIFIED AS HAZARDOUS**

## 1. IDENTIFICATION

### GHS Product Identifier

STERAKLEEN

### Product Code

2110590, 7105480

### Company Name

JASOL NEW ZEALAND

### Address

81 Leonard Road  
Mt. Wellington Auckland  
1060 New Zealand

### Telephone/Fax Number

Tel: +64 9 580 2105  
Fax: +64 9 571 4388

### Emergency phone number

0800 243 622

### Emergency Contact Address

North Island:  
81 Leonard Road, Mt. Wellington, Auckland 1060  
Phone: +64 9 5802105  
Fax: +64 9 5714388

South Island:  
105 Rutherford Street, Christchurch 8023  
Phone: +64 3 3844433  
Fax: +64 3 3844431

### (24 hour a day available)

0800 243622

### E-mail Address

jasolnzorders@gwf.com.au

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

Detergent for hot water glass washing machines.

## 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.

6.3A Substance that is irritating to the skin  
8.3A Substance that is corrosive to ocular tissue

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Pictogram (s)**

Corrosion, Exclamation mark



**Precautionary statement – Prevention**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary statement – Storage**

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients**

Name	CAS	Proportion
Potassium hydroxide	1310-58-3	1-2%
Alkaline Salts	-	1-5%
Non-Hazardous Surfactants	-	1-10%
Other Non-hazardous Ingredients	-	1-10%
Water	7732-18-5	Remainder

### 4. FIRST-AID MEASURES

**First Aid Measures**

24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)

New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)

New Zealand Emergency Services: 111

**Inhalation**

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.

**Ingestion**

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin**

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

**Eye contact**

If this product comes in contact with the eyes:

- Immediately hold eyelids apart and flush the eye continuously with running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Transport to hospital or doctor without delay.

**Advice to Doctor**

Treat symptomatically.

Section

## 5. FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Media**

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

**Specific Hazards Arising From The Chemical**

- Non combustible.
  - Not considered a significant fire risk, however containers may burn. May emit poisonous fumes.
- May emit corrosive fumes.

**Hazchem Code**

None allocated

**Decomposition Temperature**

Not Available

**Other Information**

FIRE INCOMPATIBILITY

None known.

**PERSONAL PROTECTION**

Glasses: Chemical goggles.

Gloves: 1.NEOPRENE 2.BUTYL

Respirator: Particulate

## 6. ACCIDENTAL RELEASE MEASURES

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**Spills & Disposal**

- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Control personal contact by using protective equipment.
- Contain and absorb spill with sand, earth, inert material or vermiculite

**Personal Protection**

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- DO NOT allow clothing wet with material to stay in contact with skin.

### Storage Regulations

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.

### Recommended Materials

#### SUITABLE CONTAINER

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

Source: New Zealand Workplace Exposure Standards

Material	Peak
Potassium Hydroxide	2 mg/m <sup>3</sup>

The following materials had no OELs on our records

- water: CAS:7732- 18- 5

### Appropriate Engineering Controls

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances.

### Personal Protective Equipment

#### RESPIRATOR

Particulate

#### EYE

- Safety glasses with side shields.
- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].

#### HANDS/FEET

- Wear chemical protective gloves, eg. PVC.
  - Wear safety footwear or safety gumboots, eg. Rubber.
- Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: such as:
- frequency and duration of contact,
  - chemical resistance of glove material,
  - glove thickness and
  - dexterity.

#### OTHER

- Overalls.
- P.V.C. apron.
- Barrier cream.
- Skin cleansing cream.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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#### Form

Liquid

#### Appearance

Clear, mobile, alkaline liquid; mixes with water.

#### Colour

Clear

#### Decomposition Temperature

Not Available

#### Melting Point

Not Available

#### Boiling Point

Not Available

#### Solubility in Water

Miscible

#### Specific Gravity

1.1

#### pH

pH (1% solution): 11

pH (as supplied): 12.7 - 13.0

#### Vapour Pressure

Not Available

#### Vapour Density (Air=1)

Not Available

#### Evaporation Rate

Not Available

#### Volatile Component

Not Available

#### Flash Point

Not Applicable

#### Auto-Ignition Temperature

Not Available

#### Explosion Limit - Upper

Not Applicable

#### Explosion Limit - Lower

Not Applicable

#### Molecular Weight

Not Applicable

## 10. STABILITY AND REACTIVITY

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### Reactivity and Stability

#### CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerisation will not occur.

For incompatible materials - refer to Section 7 - Handling and Storage.

## 11. TOXICOLOGICAL INFORMATION

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### Ingestion

Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health).

### Inhalation

Although inhalation is not thought to produce harmful effects (as classified under EC Directives), the material may still produce health damage, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally confined to doses producing mortality rather than those producing morbidity (disease, ill-health).

### Skin

Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions.

### Eye

When applied to the eye(s) of animals, the material produces severe ocular lesions which are present twenty-four hours or more after instillation.

### Chronic Effects

Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems.

Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.

### Other Information

#### TOXICITY AND IRRITATION:

Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

No significant acute toxicological data identified in literature search.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Potassium Hydroxide	-	-	LOW	-
Water	LOW	-	LOW	HIGH

## 13. DISPOSAL CONSIDERATIONS

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### Waste Disposal

- Recycle where possible Otherwise ensure that:
- licenced contractors dispose of the product and its container.
- disposal occurs at a licenced facility.

## 14. TRANSPORT INFORMATION

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### Transport Information

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

#### U.N. Number

None Allocated

#### UN proper shipping name

None Allocated

#### Transport hazard class(es)

None allocated

#### Sub.Risk

None allocated

#### Packing Group

None allocated

#### Hazchem Code

None allocated

#### UN Number (Sea Transport)

None allocated

#### UN Number (Road Transport)

None allocated

#### UN Number (Air Transport, ICAO)

None allocated

#### IATA/ICAO Hazard Class

None allocated

#### IATA/ICAO Packing Group

None allocated

#### IATA/ICAO Sub Risk

None allocated

#### IMDG UN No

None allocated

#### IMDG Hazard Class

None allocated

#### IMDG Pack. Group

None allocated

#### IMDG Subsidiary Risk

None allocated

## 15. REGULATORY INFORMATION

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### Regulatory information

This substance should be managed in accordance with the requirements specified in the Cleaning Products (Corrosive) Group Standard 2006, HSNO Approval Number HSR002526.

### National and or International Regulatory Information

Regulations for ingredients

Potassium hydroxide (CAS: 1310-58-3) is found on the following regulatory lists;

"CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "International Council of Chemical Associations (ICCA) - High Production Volume List", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "New Zealand Hazardous Substances and New Organisms

(HSNO) Act - Scheduled Toxic Substances", "New Zealand Inventory of Chemicals (NZIoC)", "New Zealand Workplace Exposure Standards (WES)", "OECD Representative List of High Production Volume (HPV) Chemicals"

Water (CAS: 7732-18-5) is found on the following regulatory lists;

"IMO IBC Code Chapter 18: List of products to which the Code does not apply", "New Zealand Inventory of Chemicals (NZIoC)", "OECD Representative List of High Production Volume (HPV) Chemicals"

No data for Sterakleen

No data for alkaline salts (CAS: , Not avail)

#### **HSNO Approval Number**

HSR002526

#### **Other Information**

Specific advice on controls required for materials used in New Zealand can be found at <http://www.epa.govt.nz/hazardous-substances/approvals/Pages/default.aspx>.

## **16. OTHER INFORMATION**

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#### **Date of preparation or last revision of SDS**

06/07/2017

#### **Technical Contact Numbers**

24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)

New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)

New Zealand Emergency Services: 111

#### **Other Information**

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Jasol NZ cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Jasol NZ representative or Jasol NZ at the contact details on page 1.

Jasol NZ's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

## **END OF SDS**

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