



SAFETY DATA SHEET

STERAKLEEN

Infosafe No.: LQ679
ISSUED Date : 23/07/2019
ISSUED by: JASOL AUSTRALIA

CLASSIFIED AS HAZARDOUS

1. IDENTIFICATION

GHS Product Identifier

STERAKLEEN

Product Code

2110590

Company Name

JASOL AUSTRALIA

Address

Level 3, 187 Todd Road Port Melbourne

VIC 3207 AUSTRALIA

Telephone/Fax Number

Tel: 03 95805722

Fax: 03 95809902

Emergency phone number

1800 629953

Recommended use of the chemical and restrictions on use

Glasswashing detergent for hot water glass washing machines.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 1C

Signal Word (s)

DANGER

Hazard Statement (s)

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Pictogram (s)

Corrosion



Precautionary statement – Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling.

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

Precautionary statement – Response

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

Precautionary statement – Storage

P405 Store locked up.

Precautionary statement – Disposal

P501 Dispose of contents/container to

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Alanine, N, N- bis(carboxymethyl) - , trisodium salt	164462- 16- 2	<5 %
Sodium Hydroxide	1310- 73- 2	<3 %
Naphthalene	91- 20- 3	<0. 8 %
Phosphated ethoxylate		<0. 5 %
Phosphoric acid	7664- 38- 2	<0. 05 %
Ingredients determined not to be hazardous		Balance

4. FIRST-AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area and keep at rest in a position comfortable for breathing. Seek medical attention.

Ingestion

Do NOT induce vomiting. Wash/rinse out mouth thoroughly with water. Seek immediate medical attention. Contact the Poisons Information Centre (in Australia) on 131 126.

Skin

If on skin (or hair) remove/take off all contaminated clothing. Wash/rinse skin gently and thoroughly with water and non-abrasive soap for 15 minutes. Seek medical attention. Ensure contaminated clothing is washed before re-use or discarded.

Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses, if present and easy to do. Continue flushing for at least 15 minutes. Seek immediate medical attention and contact the Poisons Information Centre (in Australia) on 131 126.

First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

Advice to Doctor

Product contains 3% sodium Hydroxide. Vomiting has not been induced because of risk of aspiration into the lungs. Contact Poisons Information Centre (in Australia).

Other Information

For advice in an emergency, contact the Poisons Information Centre (in Australia) on 131 126 or a doctor at once.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, dry powder and foam. Use extinguishing media appropriate for the surrounding environment.

Unsuitable Extinguishing Media

Do not use water jet.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon oxides and nitrogen oxides.

Special Protective Equipment for fire fighters

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

Specific Hazards Arising From The Chemical

This product is non combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

Hazchem Code

2X

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

For large spills: Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe mist/vapour. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by collecting the material using vacuum and transfer into suitable labelled containers for subsequent recycling or disposal.

For small spillages and residues of large spills: If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water.

Dispose of waste according to 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.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Corrosive liquid. Attacks skin eyes, causing serious skin burns and eye damage. Avoid breathing in vapours, mist or fumes. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities

Corrosive liquid. Store in a cool dry well-ventilated area. Store away from incompatible materials (refer to section 10 "Incompatible Materials"). Protect from freezing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Provide a catch-tank in a bunded area. Store in original packages as approved by manufacturer. Do not mix with other chemicals. Clean up all spills and splashes promptly. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 The storage and handling of corrosive substances.

Corrosiveness

This material is classified as skin corrosive category 1, sub-category 1C. Product causes severe skin burns and eye damage.

This material is classified as a Dangerous Goods Class 8 (Corrosive Substance) PG III.

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:

Sodium hydroxide:

Peak Limitation: 2 mg/m³

Phosphoric Acid:

TWA: 1mg/m³

STEL: 3mg/m³

Biological Limit Values

No biological limits allocated to this material.

Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

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. 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 full face shield should be used. Eye protection devices should conform to relevant regulations.

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

Hand Protection

Wear gloves of impervious material such as rubber or plastic. 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

Form

Liquid.

Appearance

Clear mobile liquid.

Colour

Pale straw.

Odour

Odourless.

Boiling Point

Not available.

Solubility in Water

Miscible in water in all proportions.

Specific Gravity

Approximately 1.068 at 20°C.

pH

Approximately 13.8.

Flash Point

Not applicable.

Flammability

Not combustible.

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Extremes of temperature and direct sunlight. Protect from freezing.

Incompatible materials

Strong oxidising agents.

Acids.

Hazardous Decomposition Products

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

Possibility of hazardous reactions

If material is mixed with acids, the resulting reaction will generate heat.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

No toxicity data available for this material. Toxicity data for ingredients in this material are listed below.

Acute Toxicity - Oral

Alanine, N,N-bis(carboxymethyl)-, trisodium salt:

LD50 (Rat): >2,000mg/kg (Guideline 92/69/EEC, B.1)

Phosphated Ethoxylate:

LD50 (Rat): 1530mg/kg

Acute Toxicity - Dermal

Alanine, N,N-bis(carboxymethyl)-, trisodium salt:

LD50 (Rat): >2,000mg/kg (OECD Guideline 402)

Ingestion

Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Inhalation

Inhalation of mist or vapour will result in respiratory irritation and possible harmful corrosive effects including burns, lesions of the nasal septum, pulmonary edema, and scarring of tissue.

Skin

Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

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

Not expected to be a skin sensitiser.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Naphthalene is considered by IARC to be possibly carcinogenic to humans (Group 2B).

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 toxicity data available for this material.

Persistence and degradability

Not available.

Mobility

Not available.

Environmental Protection

Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information

This material is classified as a Class 8 Corrosive Substances Dangerous Goods

Class 8 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1: Explosives
 - Division 4.3: Dangerous when wet Substances
 - Division 5.1: Oxidising substances
 - Division 5.2: Organic peroxides
 - Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids
 - Class 7: Radioactive materials unless specifically exempted
- and are incompatible with food and food packaging in any quantity.

Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 8

UN No: 1760

Proper Shipping Name: Corrosive liquid, N.O.S. (Contains: Sodium hydroxide)

Packing Group: III

EMS : F-A, S-B

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class/Division: 8

UN No: 1760

Proper Shipping Name: Corrosive liquid, N.O.S. (Contains: Sodium hydroxide)

Packing Group: III

U.N. Number

1760

UN proper shipping name

CORROSIVE LIQUID, N.O.S.(Contains Sodium hydroxide)

Transport hazard class(es)

8

Packing Group

III

Hazchem Code

2X

IERG Number

37

IMDG Marine pollutant

No

Transport in Bulk

Not available

15. REGULATORY INFORMATION

Regulatory information

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons No. 23 (SUSMP 23).

Poisons Schedule

S5

16. OTHER INFORMATION

Date of preparation or last revision of SDS

SDS Reviewed: 23 July 2019

SDS Reviewed (superseded): June 2016

Created (superseded): November 2011

References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons No. 23.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Workplace Exposure Standards for Airborne Contaminants (Effective: 27 April 2018).

Globally Harmonised System of Classification and Labelling of Chemicals.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, (Volume 82, 2002).

Contact Person/Point

The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

24-Hour Emergency Telephone: AUS: 1800 629 953 NZ: Poisons 0800 764 766.

Other Information

Acronyms and Definitions:

Peak Limitation: A maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

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

STEL: Short Term Exposure Limit. The time-weighted average maximum airborne concentration of a substance calculated over a 15 minute period.

LD50: Median Lethal Dose. Dose of the substance tested required to kill 50% of test animals.

OECD: Organisation for Economic Cooperation and Development.

IARC: International Agency for Research on Cancer.

END OF SDS

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