SAFETY DATA SHEET

SOLUTIONS

L5 LAUNDRY SOUR SOFT

Infosafe No.:CI04O
ISSUED Date : 14/09/2021
ISSUED by:CUSTOM CHEMICALS INTERNATIONAL PTY LTD

1. IDENTIFICATION

GHS Product Identifier
L5 LAUNDRY SOUR SOFT

Product Code
SOLCL5PK - 5L Bottle

Company Name
Hanley Industrial Enterprises Pty Ltd (ABN 49 010 930 471)

Address
21 Yarraman Place (PO Box 515) Virginia
QLD 4014 AUSTRALIA

Telephone/Fax Number
Tel: (07) 3326 6711
Fax: (07) 3326 6722

Emergency phone number
13 11 26

Recommended use of the chemical and restrictions on use
"Solutions L5 Laundry Sour Soft" is an alkali neutraliser, anti-static agent and fabric conditioner used to safeguard the delivery of clean and safe linen.

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 for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.
Eye Damage/Irritation: Category 1
Corrosive to Metals: Category 1
Skin Corrosion/Irritation: Category 2

Signal Word (s)
DANGER

Hazard Statement (s)
Causes serious eye damage.
May be corrosive to metals.
Causes skin irritation.

Pictogram (s)
Corrosion

Precautionary statement – Prevention
Keep only in original container.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash contaminated skin thoroughly after handling.

Precautionary statement – Response
Absorb spillage to prevent material damage.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

Precautionary statement – Storage

Store locked up.
Store in corrosive resistant/ container with a resistant inner liner.

Precautionary statement – Disposal

Dispose of contents/container to an approved waste facility..

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Phosphoric acid	7664- 38- 2	<10 %
Oxirane, 2- methyl, polymer with oxirane, mono(2- propylheptyl) ether	166736- 08- 9	<10 %
Other ingredients classified as non hazardous at the concentrations used according to the criteria of Safe Work Australia		-

4. FIRST-AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position, keep warm and at rest. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion

Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek immediate medical attention.

Skin

Wash skin with plenty of water. Ensure contaminated clothing is washed before re-use or discard. Seek medical attention if burning, irritation or redness develops.

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 (Phone Australia 131 126) or a doctor at once.

5. FIRE-FIGHTING MEASURES

Fire Fighting Measures

Keep containers that are exposed to extreme heat cool with water spray. Fire fighters to wear self contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.

Suitable Extinguishing Media

Use carbon dioxide (CO_2) fire extinguisher, foam, dry powder, water fog or fine water spray.

Hazards from Combustion Products

Non-combustible material however if involved in a fire will emit toxic fumes. Pressure burst may occur due to decomposition in confined spaces. Wet product decomposes exothermally and may cause combustion of organic materials.

Specific Hazards Arising From The Chemical

This product is non-combustible.

Hazchem Code

2R

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Minor spills do not normally need any special clean up measures.

Clean-up Methods - Large Spillages

In the event of a large spill, prevent spilage from entering drains or water courses. Wear appropriate protective equipment to prevent skin and eye contamination. Spilt material should be pumped/mopped up into appropriately labelled drums for disposal by an approved agent according to local conditions. Flush spill area with water (ensure not release to the environment). Residual desposits will remain slippery. If contamination of sewers or waterways has ocurred, advise the local emergency services. If the event of a large spillage, notify the local environmental protection authority or emergency services.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with incompatible materials. When handling DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area. Avoid storing in metal containers. Store away from incompatible materials. Keep containers closed at all times when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Phosphoric acid		TWA	1	mg/m3	
Phosphoric acid		STEL	3	mg/m3	

Appropriate Engineering Controls

Ensure ventillation is adequate to maintain air concentrations below exposure standards. Avoid generating mists of the product. Use only in a well-ventillated area. Where high contaminant spray, mist or vapour levels exist, the following additional equipment is required: For short elevated exposures, e.g. spillages - appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 & 1716. For prolonged exposure and confined spaces - full face, air-supplied or self-contained breathing apparatus.

Respiratory Protection

Not required for normal cleaning operations with adequate ventillation.

Eye Protection

Generally not required to handle properly diluted solutions of the product. The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Hand Protection

Generally not required to handle diltue solutions of the product. People with sensitive skin should wear gloves. Overalls, work boots & elbow length gloves are recommended for handling the concentrated product in quantity, cleaning up spills, decanting etc.
Materials suitable for detergent contact - Butyl rubber, natural latex, neoprene, PVC and nitrile.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	**Appearance**	Blue liquid
Odour	Nil	**Freezing Point**	Not available
Boiling Point	Not available	**Solubility in Water**	Miscible in all proportions.
Specific Gravity	1.01 - 1.03 (25°C)	**pH**	1.5 - 2.0

Vapour Pressure	Not available	**Volatile Component**	0% v/v
Flash Point	Not flammable		

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal conditions of storage and handling.

Conditions to Avoid
Avoid contact with heat or heat sources. Avoid contact with incompatible materials such as bases, non-ferrous metals (e.g. aluminium, zinc or tin) and their alloys.

Incompatible materials
Non-ferrous metals (e.g. aluminium, zinc or tin) and their alloys. Strong bases and strong oxidising and reducing agents, sulphides, phosphides, cyanides, acetylides, fluorides and carbides.

Hazardous Decomposition Products
Attacks many reactive metals (aluminium, magnesium, zinc alloys) releasing highly flammable gas (hydrogen), which generates fire or explosion hazards. In the presence of bases, exothermic (heat producing) reaction may occur. Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide and other possibly toxic gases and vapours on burning (phosphorus oxides).

11. TOXICOLOGICAL INFORMATION

Toxicology Information
No adverse health effects expected if the product is used in accordance with this Safety Data Sheet and product label.

Ingestion
Ingestion of this product may result in nausea, vomiting, diarrhoea, abdominal pain, convulsions and chemical burns.

Inhalation
Inhalation of mists of this product may cause severe irritation to the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema. Inhalation will result in respiratory irritation and possible harmful corrosive effects.

Skin
Irritating to the skin - may cause severe skin burns in sensitive individuals.

Eye
Corrosive - causes burns. Contact will result in corneal burns with possible risk of serious damage to the eyes.

Skin Sensitisation
Prolonged and repeated skin contact with undiluted solutions may induce eczematoid dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Expected to be harmful due to low pH.

Persistence and degradability
Surfactants used in the product are biodegradable.

Environmental Protection
Prevent large amounts from entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations
Dispose of waste by an accredited contractor according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information
This material is a Class 8 - Corrosive according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. It is incompatible in a placard load with any of the following:
- Class 1, Explosives,

- Class 4.3, Dangerous When Wet Substances,
- Class 5, Oxidising Agents & Organic Peroxides,
- Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),
- Class 7, Radioactive Substances,
- Class 8, Corrosive Substances (concentrated strong acid is to be segragated from strong alkali),

and is incompatible with food and food packaging in any quantity.

U.N. Number
1805

UN proper shipping name
PHOSPHORIC ACID, SOLUTION(contains Ethoxylated alcohols)

Transport hazard class(es)
8

Packing Group
III

Hazchem Code
2R

IERG Number
37

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 (SUSMP)

Poisons Schedule
N/A

16. OTHER INFORMATION

Date of preparation or last revision of SDS
SDS reviewed: Sept 2021, Supercedes: April 2017

References
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.

Uses and Restrictions
"Solutions L5 Laundry Sour Soft" is dispensed at a dilution rate of 1 to 4 mLs per 1kg of dry weight laundry linen, through automatic dispensing equipment.

Other Information
DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.
The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SDS