SAFETY DATA SHEET
CHEM SOUR

Revision Number 10, Revision Date 2025.08.20

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: CHEM SOUR

Manufacturer and Supplier: CHEM CLEAN LTD

Address: #58-60 Century Drive
Trincity Industrial Estate
Macoya
Trinidad and Tobago

EMERGENCY TELEPHONE NUMBER (868) 223 2436

Recommended use: Concentrated Liquid Laundry 'Sour'.

Restriction on use: For industrial use only.

2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion: Category 1C

Serious eye damage: Category 1

GHS Label element

Hazard pictograms:

Signal Word: Danger

Hazard Statements: H314: Causes severe burns and eye damage.

Precautionary Statements: P102: Keep out of reach of children.
P103: Read label before use.

Prevention Precautionary Statements:	P233: Keep container tightly closed. P262: Do not get in eyes, on skin, or on clothing P264: Wash hands thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
Response Precautionary Statements:	P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
Storage Precautionary Statements:	P404: Store in a closed container. P403+233: Store in a well ventilated place. Keep container tightly closed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS	CHEMICAL NAME	% WEIGHT
7664-38-2	Phosphoric Acid	18-22
77-92-9	Citric Acid	8 - 12

Any concentration shown as a range is to protect confidentiality.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

General Advice	♦ In the case of accident or if you feel unwell, seek medical advice immediately. ♦ Show this Safety Data Sheet to the Doctor in attendance.

Skin Contact	♦ Immediately flush skin with plenty of cool running water for at least 15 minutes. ♦ Immediately remove contaminated clothing. ♦ Wash contaminated clothing before reuse. ♦ Immediate medical attention is required if irritation persists or burns develop.
Eye Contact	♦ Rinse cautiously with water for several minutes. ♦ Remove contact lens (if worn) and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. ♦ Immediate medical attention is required if symptoms persist.
Inhalation	♦ If breathing is difficult, move victim to fresh air and keep at rest in a position comfortable for breathing. ♦ If not breathing, give artificial respiration. ♦ Medical attention is required if symptoms persist.
Ingestion	♦ If swallowed, rinse mouth thoroughly. ♦ DO NOT induce vomiting. ♦ Immediate medical attention is required if symptoms persist.

5. FIRE-FIGHTING MEASURES

Flash Point	♦ N/A
Suitable Extinguishing Media	♦ Water – spray ♦ Alcohol-resistant foam ♦ Dry chemical or carbon dioxide ♦
Extinguishing media which must not be used for safety reasons	♦ N/A
Specific Hazards	♦ Cool exposed containers with water spray to prevent pressure build-up. ♦ Must wear NIOSH approved self-contained breathing apparatus and protective clothing. ♦ To minimize noxious gas generation, flood burning material with large quantities of water.
Special exposure hazards arising from the substance, or preparation itself, its combustion products or released gases	♦ Material is corrosive. ♦ Can react with soft metals such as Aluminum or Zinc generating hydrogen gas which is flammable and/or combustible in the presence of an ignition source.
Special Protective Equipment for fire-fighters	♦ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear. ♦ Avoid exposure to mists and splashes.
Specific Methods	♦ Cool containers / Tanks with water spray. ♦ Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	♦ Do not inhale mist, do not in eyes or skin, do not swallow. ♦ Ensure adequate ventilation. ♦ Do not get in eyes or skin, do not swallow. ♦ Use personal protective equipment. ♦ Wash thoroughly after handling.
Environmental Precautions	♦ Discharge in accordance with Government Regulations. ♦ Do not discharge into lakes, stream, ponds or public water.
Methods for cleaning up	♦ Small spills: Neutralize with mild alkaline solution then wash down with large quantities of water in sanitary sewer. ♦ Large spills: Dike to prevent runoff. Reclaim as much as possible. Absorb remainder with inert material (sand or vermiculite) and place in compatible container for disposal. Flush residue with large amounts of water into sanitary sewer. ♦ Cleaning up personnel should wear appropriate protective equipment.

7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions	♦ Avoid contact with skin, eyes and clothing. ♦ Do not get in eyes or on skin, do not swallow. ♦ Ensure adequate ventilation.
Safe Handling Advice	♦ Avoid contact with eyes. Wash hands immediately after contact to avoid hand-eye transfer. ♦ Do not inhale mist, do not get in eyes or on skin, do not swallow.

Storage

Technical Measures/Precautions	♦ Keep containers tightly closed in a cool, dry area. ♦ Keep container closed when not in use. ♦ Store only in original properly labeled container. ♦ Do not reuse empty containers – they may contain residues. ♦ Do not mix with anything but water.
Incompatible Products	♦ Do not mix with alkaline or chlorine containing cleaners, peroxides or reducing agents. ♦ Avoid contact with aluminum, zinc, other soft metal or galvanized metal, or other metals except as directed on label.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Measures	♦ The use of local exhaust ventilation is recommended. ♦ Use corrosion-resistant ventilation equipment.
Personal Protective Equipment	
Hand Protection	♦ Neoprene or rubber gloves with cuffs.
Eye Protection	♦ Tightly fitting chemical splash goggles ♦ Safety eyebath nearby.
Respiratory Protection	♦ In case of insufficient ventilation, wear NIOSH approved respiratory equipment.
Skin and Body Protection	♦ Use chemical protective clothing for repeated or prolonged contact. ♦ Coveralls, apron, gloves, boots should be worn.
Hygiene Measures	♦ Regular cleaning of equipment, work area and clothing ♦ Wear suitable gloves and eye/face protection ♦ Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information	
Physical State	Liquid
Color	Green
Odor	Odorless
Important Health Safety and Environmental Information	
Molecular Wt.	N/A
pH (1% solution)	2.7 – 3.7
Boiling pt	N/A
Specific gravity (@ 25°C)	1.14-1.18
Viscosity (CSTS)	Not specified
Solubility in water	100%
Vapor Pressure	N/A
Vapor Density (AIR=1)	N/A
Evaporation Rate (WATER:1)	N/A
Freezing Point	N/A
Volatile Organic Compounds (Total VOC's)	N/A

10. STABILITY AND REACTIVITY

Stability	♦ Stable under normal conditions
Conditions to avoid	♦ Strong alkali concentrates ♦ Extremely high or low temperatures
Materials to avoid	♦ Alkaline cleaners ♦ Chlorine containing cleaners ♦ Peroxides ♦ Reducing agents ♦ Aluminum or galvanized surfaces or other metals
Hazardous Decomposition Products	♦ Hydrogen gas
Polymerization	♦ Will not occur

11. TOXICOLOGIAL INFORMATION

Product Information

LD50/oral/rat	
Local effects	
Skin irritation	♦ Causes severe irritation ♦ Prolonged contact may cause severe burns which may not immediately be painful or visible ♦ Dermatitis
Eye irritation	♦ Severe eye irritation and possible burns ♦ Possible permanent eye damage
Sensitization	♦ Skin sensitizer
Specific effects	♦ Can cause severe burns and damage to mucous membranes of mouth, throat and digestive tract, if ingested or inhaled
Carcinogenic Effects	♦ None
Mutagenic Effects	♦ Not determined
Reproductive toxicity	♦ Not determined
Target Organ Effects	♦ Mucous membranes of mouth, throat and digestive tract

12. ECOLOGICAL INFORMATION

Product information

Aquatic Toxicity: Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations.

Other Information

13. DISPOSAL CONSIDERATIONS

Waste from residues/Unused products	Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations. Consult your local, state or federal Environmental Protection Agency before disposing of any chemicals. Refer to the Environmental Management Authority (EMA) for complete waste disposal regulations for

	corrosive materials
Contaminated Packaging	Empty containers should be taken for recycling, recovery or waste disposal
Further Information	

14. TRANSPORT INFORMATION

Domestic (Land, D.O.T.)

UN Number: 3264
UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric Acid)
Hazard label: 8
Packing Group: II

International (IMDG, I.M.O.)

UN Number: 3264
UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric Acid)
Transport Hazard Class: 8
Packing Group: II
Marine pollutant: No
Limited Quantities: 1L
Packing Instructions: P001
IBC Instructions: IBC02
EmS: F-A, S-B
Stowage and segregation: Category B

Air transport (IATA)

UN Number: 3264
UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric Acid)
Hazard Class: 8
Packaging Group: II
Limited Quantities: 0.5L

15. REGULATORY INFORMATION

OSHA: This product is classified as corrosive by definition of Hazard Communication Standard (29 CFR 1910.1200)

16. OTHER INFORMATION

Literary Reference	Laundry Product
Other	The information in the Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, we assume no liability resulting from use of SDS information.

End of Safety data sheet