SAFETY DATA SHEET
CHEM-SAN

Revision Number 10, Revision Date 2025.08.20

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

Product Name	CHEM-SAN
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:	Quaternary Ammonium Sanitizer

2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/irritation: Category 1

Skin irritant

GHS Label element
Hazard pictograms:

Signal Word:	Danger
Hazard Statements:	H302: Harmful if swallowed. 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

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 No.	CHEMICAL NAME	% CONCENTRATION
68424-85-1	Alkyl (C_{12}-C_{16}) dimethyl benzyl ammonium chloride	3.91
7173-51-5	Didecyl dimethyl ammonium chloride	5.86
64-17-5	Ethanol	<1

4. FIRST AID MEASURES

General Advice	♦ Show this Safety Data Sheet to the Doctor in attendance ♦ In the case of accident or if you feel unwell, seek medical advice immediately.
Skin Contact	♦ Immediately remove contaminated clothing and wash before reuse ♦ Immediately flush skin with plenty of cool running water for at least 15 minutes ♦ Immediate Medical Attention is required if irritation persists or burns develop ♦ Wash contaminated clothing before reuse.
Eye Contact	♦ In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes ♦ Keep eyes wide open while rinsing

	♦ Immediate medical attention is required
Inhalation	♦ If affected, move to fresh air
Ingestion	♦ If swallowed, rinse mouth thoroughly. ♦ DO NOT induce vomiting. ♦ Immediate medical attention is required if symptoms persist.
Aggravated Medical Conditions	♦ Pre-existing skin or respiratory disorders

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	♦ Water – spray ♦ As appropriate for surrounding fire – product will not burn
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
Special exposure hazards arising from the substance, or preparation itself, its combustion products or released gases	♦ N/A
Special Protective Equipment for fire-fighters	♦ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear
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 get in eyes or skin, do not swallow
Environmental Precautions	♦ Dilute and neutralize waste very carefully and discharge in accordance with Government Regulations
Methods for cleaning up	♦ Small spills: 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.

7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions	♦ Avoid contact with skin, eyes ♦ Protect eyes and skin when handling concentrate
Safe Handling Advice	♦ Wash hands immediately after contact to avoid hand-eye transfer
	♦

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 ♦ Do not contaminate water, food or feed
Incompatible Products	♦ None determined
Specific use(s)	♦ Sanitizer

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Measures	♦ The use of local exhaust ventilation is recommended.
Personal Protective Equipment	
Hand Protection	♦ Neoprene or rubber gloves
Eye Protection	♦ Tightly fitting chemical splash goggles ♦ Safety eyebath nearby
Respiratory Protection	♦ None normally required ♦ 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, rubber boots should be worn
Hygiene Measures	♦ Keep away from food, drink and feed ♦ When using, do not eat, drink or smoke ♦ Regular cleaning of equipment, work area and clothing ♦ Wear suitable gloves and eye/face protection ♦ For environmental protection, remove and wash all contaminated protective equipment before re-use
Environmental Exposure Controls	

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State	Clear Liquid
Color	Colorless

Important Health Safety and Environmental Information

Molecular Wt.	N/A
pH	7.0 – 8.5
Boiling pt	N/A
Specific gravity	0.990 -1.01
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	♦ None
Materials to avoid	♦ N/A
Hazardous Decomposition Products	♦ N/A
Polymerization	♦ Will not occur

11. TOXICOLOGIAL INFORMATION

Acute Toxicity

Component Information

Product Information

LD50/oral/rat	
Local effects	
Skin irritation	♦ Prolonged contact may cause irritation
Eye irritation	♦ Can cause eye irritation
Sensitization	♦ Skin sensitizer
Specific effects	
Carcinogenic Effects	♦ None
Mutagenic Effects	♦ Not determined
Reproductive toxicity	♦ Not determined
Target Organ Effects	♦ Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component Information

CAS	Chemical Name	% Weight
N/A	N/A	N/A

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 the Environmental Protection Agency before disposing of any chemicals. Refer to the Environmental Management Authority (EMA) for complete waste disposal regulations
Contaminated Packaging	Empty containers should be taken for recycling, recovery or waste disposal. Do not reuse empty containers
Further Information	

14. TRANSPORT INFORMATION

N/A

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

Literary Reference	Sanitizing 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