

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

Product Name	Lemon Fresh
Manufacturer and Supplier	CHEM CLEAN LTD
Address:	#58-60 Century Drive Trincity Industrial Estate Macoya Trinidad and Tobago
Telephone Number	(868 223 2436
Website:	www.chemclean.solutions
Recommended use	Institutional Neutral Disinfectant, Virucide, Fungicide, Bactericide & Deodorizer.
Restriction on use:	For external use only. For specific intended-use guidance, please refer to the information provided on the package or Product Data Sheet.

2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/irritation

Skin irritant

GHS Label element

Hazard pictograms:



Signal Word: Warning

Hazard Statements: H302: Harmful if swallowed.
H314: Causes eye damage.



Can cause skin irritation

- 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
- 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 away from direct sunlight.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	CHEMICAL NAME	% CONCENTRATION
68424-85-1	Alkyl (C ₁₂ -C ₁₆) dimethyl benzyl Ammonium Chloride	2.51
7173-51-5	Didecyl dimethyl Ammonium Chloride	3.76
64-17-5	Ethanol	<1
64-02-8	Tetrasodium EDTA	0.1 – 1.0
77-92-9	Citric Acid	0.1-1.0

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

Skin Contact	<ul style="list-style-type: none"> ◆ Rinse with water if irritation occurs. ◆ If in contact with clothing, immediately remove and wash before reuse.
Eye Contact	<ul style="list-style-type: none"> ◆ In case of contact with eyes, remove contact lens (if applicable) and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes ◆ Immediate medical attention is required if irritation persists.
Inhalation	<ul style="list-style-type: none"> ◆ If affected, move to fresh air. ◆ Product does not contain volatile substances.
Ingestion	<ul style="list-style-type: none"> ◆ Wash out mouth with water. Remove dentures if any. ◆ Remove victim to fresh air and keep at rest in a position comfortable for breathing. ◆ If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. ◆ Do not induce vomiting unless directed to do so by medical personnel. ◆ If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. ◆ Never give anything by mouth to an unconscious person. ◆ If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	<ul style="list-style-type: none"> ◆ Water – spray ◆ As appropriate for surrounding fire – product will not burn
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> ◆ N/A
Specific Hazards	<ul style="list-style-type: none"> ◆ Cool exposed containers with water spray to prevent pressure build-up ◆ Non-flammable or combistible ◆ Must wear NIOSH approved self-contained breathing apparatus and protective clothing
Special exposure hazards arising from the substance, or	<ul style="list-style-type: none"> ◆ N/A

preparation itself, its combustion products or released gases	
Special Protective Equipment for fire-fighters	<ul style="list-style-type: none"> ◆ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear
Specific Methods	<ul style="list-style-type: none"> ◆ 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	<ul style="list-style-type: none"> ◆ Do not get in eyes or skin, do not swallow ◆ Ensure adequate ventilation ◆ Use personal protective equipment as required.
Environmental Precautions	<ul style="list-style-type: none"> ◆ Discharge in accordance with Government Regulations
Methods for cleaning up	<ul style="list-style-type: none"> ◆ 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	<ul style="list-style-type: none"> ◆ Avoid contact with skin, eyes ◆ Do not get in eyes or on skin, do not swallow
Safe Handling Advice	<ul style="list-style-type: none"> ◆ Wash hands immediately after contact to avoid hand-eye transfer

Storage

Technical Measures/Precautions	<ul style="list-style-type: none"> ◆ Keep containers tightly closed in a cool, dry area away from sunlight. ◆ Keep container closed when not in use
Incompatible Products	<ul style="list-style-type: none"> ◆ None determined

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>Engineering Measures</u>	<ul style="list-style-type: none"> ◆ The use of local exhaust ventilation is recommended. ◆ Use corrosion-resistant ventilation equipment
<u>Personal Protective Equipment</u>	
Hand Protection	<ul style="list-style-type: none"> ◆ Neoprene or rubber gloves
Eye Protection	<ul style="list-style-type: none"> ◆ Tightly fitting chemical splash goggles ◆ For continued or severe exposure wear a face shield over goggles

	<ul style="list-style-type: none"> ◆ Safety eyebath nearby
Respiratory Protection	<ul style="list-style-type: none"> ◆ None normally required ◆ In case of insufficient ventilation, wear NIOSH approved respiratory equipment
Skin and Body Protection	<ul style="list-style-type: none"> ◆ Use chemical protective clothing for repeated or prolonged contact ◆ Coveralls, apron, gloves, rubber boots should be worn
Hygiene Measures	<ul style="list-style-type: none"> ◆ 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
<u>Environmental Exposure Controls</u>	<ul style="list-style-type: none"> ◆ Do not inhale mist, do not get into eyes or on skin, do not swallow

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State	Liquid
Color	Apple green
Odor	Lemon-lime fragrance

Important Health Safety and Environmental Information

Molecular Wt.	N/A
pH (100% solution)	7.0 – 8.2
Boiling pt	N/A
Specific gravity	1.00-1.04
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	<ul style="list-style-type: none"> ◆ Stable under normal conditions
Conditions to avoid	<ul style="list-style-type: none"> ◆ None
Conditions to avoid	<ul style="list-style-type: none"> ◆ Direct sunlight and high temperatures
Hazardous Decomposition Products	<ul style="list-style-type: none"> ◆ N/A

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Product Information

LD50/oral/rat	
<u>Local effects</u>	
Skin irritation	◆ Prolonged contact with concentrate can cause severe irritation
Eye irritation	◆ Can cause eye irritation
Sensitization	◆ Skin sensitizer
<u>Specific effects</u>	
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	Discharge 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
Contaminated Packaging	Empty containers should be taken for recycling, recovery or waste disposal
Further Information	

14. TRANSPORT INFORMATION

This product is not classified as dangerous according to international transport regulations (DOT, ADR, IMDG or IATA)

15. REGULATORY INFORMATION

Not regulated



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