

SAFETY DATA SHEET

Date issued : 11/13/2014

SDS number : L64

Date revised : 03/20/2024

Revision number : 3

Lemon Hi-Con 64

1. Identification

Product code: L64

Product identifier: Lemon Hi-Con 64

Product description: Neutral Disinfectant and Detergent

Chemical family: Quaternary Ammonium Chloride

Relevant identified uses: Disinfectant, Virucide, Fungicide

Manufacturer / Supplier

MISCO Products Corporation

1048 Stinson Drive

Reading, PA 19605

Customer Service: 800-548-4568

Transportation: 800-548-4568

EPA reg. No.: 47371-131-8325

Emergency telephone number (24 hour)

CHEM-TEL (Medical and Transportation): 800-255-3924

POISON CONTROL CENTER (Medical): 800-222-1222

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Skin Irritation, Category 2

Serious Eye Damage, Category 1

Label elements



Corrosion



Exclamation
mark

Signal word: DANGER

Hazard statement(s)

H315: Causes skin irritation.

H318: Causes serious eye damage.

Precautionary statement(s)

Prevention:

P264: Wash hands thoroughly after handling.

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

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water

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.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal:

P501: Dispose of contents/container according to all local, state and Federal regulations.

Emergency overview

Physical appearance: Yellow liquid

Immediate concerns: Corrosive to the eyes. Skin irritant

Potential health effects

Eye: Corrosive, contact causes severe eye burns.

Skin: Contact may cause moderate to severe irritation.

Skin absorption: No known significant effects or critical hazards.

Ingestion: Although of moderate to low toxicity, ingestion of large amounts can cause gastrointestinal irritation, nausea, vomiting,

diarrhea.

Inhalation: Vapors may be irritating to eyes and respiratory tract.

Reproductive toxicity

Reproductive toxicity: None known.

Teratogenic effects: None known.

Carcinogenicity: None known.

Mutagenicity: None known.

Medical conditions aggravated: Respiratory conditions such as asthma may be aggravated.

Routes of entry: Eye, skin, ingestion.

Warning caution labels: Corrosive

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Didecyl Dimethyl Ammonium Chloride	2.54	7173-51-5
n-Alkyl (C14 50%, C12 40%, C16 10%) Dimethyl Benzyl Ammonium Chloride	1.69	68424-85-1
Fragrance	< 1	TS
Dye	< 0.1	TS
Water	85 - 95	7732-18-5

Comments: If CAS number is "TS", the specific chemical identity has been withheld as a trade secret.

4. First-aid measures

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

Ingestion: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

Most important symptoms and effects, both acute and delayed

Eye: Severe burning sensation, damage marked by burns.

Skin: Contact causes skin irritation.

Skin absorption: None Expected.

Ingestion: Irritation of mouth, throat, along with upset stomach, vomiting.

Inhalation: May cause temporary irritation.

Acute effects: Corrosive to eyes. Causes moderate to severe skin irritation.

Indication of immediate medical attention and special treatment needed, if necessary: Probable mucosal damage may contraindicate the use of gastric lavage.

5. Fire-fighting measures

Flammable class: None

General hazard: Heating or fire can release toxic gas.

Suitable extinguishing media: Not required. Water based material.

Other considerations: Do not allow run-off from fire fighting to enter drains or water courses.

Explosion hazards: Fire exposed containers may burst due to increased pressure from heat.

Fire fighting procedures: Keep fire exposed containers cool with water stream or mist.

6. Accidental release measures

Small spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Large spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

Environmental precautions

Water spill: Avoid discharges into open waterways and notify your local emergency services if this occurs.

Land spill: Avoid discharge to soil.

Air spill: NA = Not Applicable

General procedures: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

Release notes: Product is very toxic to aquatic life.

Special protective equipment: Eye protection, rubber gloves, rubber boots to protect feet.

7. Handling and storage

General procedures: Do not contaminate water, food, or feed by storage or disposal.

Precautions for safe handling: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Conditions for safe storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Storage temperature: Store at ambient temperatures.

Storage pressure: Store at ambient atmospheric pressure.

8. Exposure controls/personal protection

Appropriate engineering controls: Use in well ventilated area.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles or face shield.

Skin protection - hand protection: Rubber or other chemical resistant gloves.

Respiratory protection: A respirator is not needed under normal and intended conditions of product use.

Skin protection - other: Handle in accordance with good industrial hygiene and safety practice.

Occupational hygiene practices: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. Physical and chemical properties

Physical state: Liquid

Color: Yellow

Odor: Lemon

Odor threshold: Not Established

pH: 7.2 to 8.2

Melting point: No data available

Freezing point: 32° F; 0° C

Initial boiling point and boiling range: 212° F; 100° C

Flash point: None

Evaporation rate (n-butyl acetate = 1): No data available

Lower explosion limit / flammability limit: N/A

Vapor pressure: No data available

Relative vapor density: No data available

Density: 8.33 at 20°C (68°F)

Relative density: 1.001 grams/ml. at 25°C (77°F)

Solubility: Complete

Auto-ignition temperature: No data available

Decomposition temperature: Not Available

Viscosity: Water thin.

Percent volatiles: >90

VOC content: 0.54 % by weight

10. Stability and reactivity

Reactivity: Stable

Dangerous polymerization: Will not occur.

Conditions to avoid: Not Established

Hazardous decomposition products: None Expected.

Incompatible materials: Strong oxidizers

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
Didecyl Dimethyl Ammonium Chloride	238 mg/kg (rat)	3342 ml/kg (rabbit)	No data available
n-Alkyl (C14 50%, C12 40%, C16 10%) Dimethyl Benzyl Ammonium Chloride	344 mg/kg (rat)	3412 mg/kg (rabbit)	No data available

Acute dermal toxicity LD₅₀: > 2000 mg/kg

Acute oral toxicity LD₅₀: > 2000 mg/kg

Acute inhalation toxicity LC₅₀: No known significant effects or critical hazards.

Skin corrosion / irritation: Irritant

Serious eye damage / irritation: Causes serious eye damage

Respiratory or skin sensitization: No known significant effects or critical hazards.

Germ cell mutagenicity: No known significant effects or critical hazards.

Carcinogenicity

IARC: No listed substance

Reproductive toxicity: No known significant effects or critical hazards.

Specific Target Organ Toxicity - single exposure: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicological information: This product is harmful to aquatic life with long lasting effects.

Aquatic toxicity, both acute and chronic: Very toxic to aquatic life.

13. Disposal considerations

Disposal methods: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

For large spills: Consult with local and state authorities for large volume disposal.

Empty container: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not regulated.

U.S. Customs harmonization number: 3808.94.0000

ICAO - air

UN proper shipping name: Contact manufacturer for more information.

IMDG - sea

UN proper shipping name: Contact manufacturer for more information.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Health - Acute

313 reportable ingredients: No listed substance

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: No listed substance

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: No listed substance

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All ingredients are listed on the TSCA Chemical Inventory.

California Proposition 65: No listed substance

FIFRA (federal insecticide, fungicide, and rodenticide act): Regulated

16. Other information

Reason for issue: Formulation Change

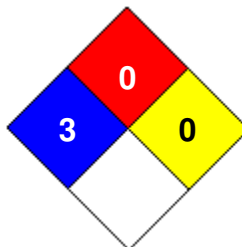
Prepared by: Regulatory Affairs Department **Date revised:** 03/20/2024

Revision summary: This SDS replaces the 03/18/2024 SDS. Revised: **Section 1:** EPA reg. No., Reason for issue. **Section 4:** Inhalation, Most important symptoms and effects, both acute and delayed - Ingestion. **Section 5:** Explosion hazards, Suitable extinguishing media, Fire fighting procedures, General hazard, Hazardous decomposition products, Other considerations. **Section 7:** Conditions for safe storage. **Section 8:** Individual protection measures, such as personal protective equipment - Skin protection - other. **Section 9:** pH. **Section 12:** Ecotoxicological information. **Section 13:** Empty container.

HMIS rating

Health		3
Flammability		0
Physical hazard		0
Personal protection		C

NFPA codes



Manufacturer disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no

responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.