

SAFETY DATA SHEET

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Date issued : 02/13/2019
SDS number : 1D.01
Date revised : 07/08/2020
Revision number : 4

Centraz MP-64

1. Identification

Product code: 1D.01
Product identifier: Centraz MP-64
Product description: Disinfectant

Manufacturer / Supplier

Centraz Industries Inc.
4051 BINGHAM AVE
ST. LOUIS, MO 63116
Customer Service: 314-752-7627

Emergency telephone number (24 hour)

CHEMTREC (US Transportation & Medical) : (800) 424-9300

EPA reg. No.: 47371-37

2. Hazard identification

Classification of the substance or mixture

Skin corrosion: Category 1C
Serious eye damage: Category 1

Label elements

Corrosion

Signal word: DANGER

Hazard statement(s)

H314: Causes severe skin burns and eye damage.

Precautionary statement(s)**Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash ... thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310: Immediately call a POISON CENTER/doctor/...
P363: Wash contaminated clothing before reuse.
P391: Collect spillage.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to ...

Hazards not otherwise classified: None known.

Routes of entry: Eye, Skin

Target organ statement: Skin, Mucous Membranes, eyes

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Didecyl Dimethyl Ammonium Chloride	1 - 3	7173-51-5
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	1 - 3	68424-85-1
Ethyl Alcohol	0.5 - 1	64-17-5

4. First-aid measures

Eye: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Continue rinsing eyes during transport to hospital. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

Skin: After contact with skin, wash immediately with plenty of soap and water. Take off contaminated clothing and shoes immediately. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Take victim immediately to hospital.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

Inhalation: Move to fresh air. If unconscious, place in recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration. Call a physician or poison control center immediately. Keep respiratory tract clear.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically.

5. Fire-fighting measures

General hazard: Heating or fire can release toxic gas. Do not allow run-off from fire fighting to enter drains or water courses.

Suitable extinguishing media: Water spray. Alcohol-resistant foam. Dry Chemical.

Unsuitable extinguishing media: High volume water jet.

Other considerations: Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire fighting equipment: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. Accidental release measures

General procedures: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Release notes: Neutralise with acid. Contain spillage and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

Special protective equipment: Use respirator when performing operations involving potential exposure to vapour of the product. Use personal protective equipment.

7. Handling and storage

General procedures: Do not store near acids.

Precautions for safe handling: Do not breathe vapours/dust. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and /or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: Keep container tightly closed and dry. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations/working materials must comply with the technological safety standards. To maintain product quality, do not store in heat or direct sunlight.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Ethyl Alcohol	OSHA PEL	TWA	1000	1900
	ACGIH TLV	TWA	1000	1884

Appropriate engineering controls: In processes where TLV may be exceeded, or mists and/or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses with side-shields conforming to EN 166. Wear face-shield and protective suit for abnormal processing problems.

Skin protection - hand protection: Choose body protection according to the amount and concentration of the dangerous substance at the the work place. Impervious clothing.

Respiratory protection: In case of vapour formation use a respirator with an approved filter. Respirator with ABEK filter. Respirator with a vapour filter (EN 141).

Skin protection - other: Wear nitrile rubber, protective gloves. Break through time: >480 minutes

Occupational hygiene practices: Avoid contact with skin, eyes and clothing. When using do not eat or drink. When using do not smoke.

9. Physical and chemical properties

Chemical name	Flash Point (°C)
Didecyl Dimethyl Ammonium Chloride	107

Physical state: Liquid

Appearance: Aqueous Solution

Color: Green

Odor: mint or lemon

Odor threshold: No data available

pH: 10 to 11

Melting point: No data available

Initial boiling point and boiling range: No data available

Flash point: > 93.33°C

Explosion limit / flammability limit notes: No information Available

Vapor pressure: Not yet Determined

Relative vapor density: Not yet Known

Density: No data available

Solubility: Soluble

Auto-ignition temperature: No information Available

Decomposition temperature: No information Available

Viscosity: No data available

Molecular weight: No information Available

Oxidizing properties: No data available

Percent volatiles: No data available

10. Stability and reactivity

Reactivity: No decomposition if stored and applied as directed.

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Heat

Possibility of hazardous reactions: Non known. Stable under recommended storage conditions.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours. No decomposition if used as directed.

Incompatible materials: Strong oxidizing agents. Reducing agents. Strong acids and strong bases.

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)
Didecyl Dimethyl Ammonium Chloride	450	3342
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	344 mg/kg	3340 mg/kg

Skin corrosion / irritation: Skin irritation: Corrosive, category 1C -where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

Serious eye damage / irritation: Eye irritation: Remarks: no data available.

Respiratory or skin sensitization: Sensitisation: Remarks: no data available.

Germ cell mutagenicity: Genotoxicity in vitro: Remarks: no data available.

Carcinogenicity

Notes: No data available

Reproductive toxicity: Effects on fertility: Remarks: no data available.

Specific Target Organ Toxicity - single exposure: No data available

Specific Target Organ Toxicity - repeated exposure: No data available

Aspiration hazard: No aspiration toxicity classification

General comments: Ingestion may cause nausea, vomiting, sore throat, stomach-ache and eventually lead to a perforation of the intestine.

Comments: Information given is based on data on the components and the toxicology of similar products.

12. Ecological information

Ecotoxicological information: Toxicity to fish: Remarks: no data available

Aquatic toxicity, both acute and chronic: Very toxic to aquatic life with long lasting effects.

Bioaccumulative potential: No data available

General comments: There is no data for biodegradability. There is no additional ecological data for this product. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Comments: Ethanol: Partition coefficient: n-octanol/water: log Pow: -03

13. Disposal considerations

Disposal methods: Dispose of in accordance with local regulations. Dispose of contents/container in accordance with local regulation. Contact waste disposal services. Do not dispose of waste into sewer. The product should not be allowed to enter drains, water courses or the soil.

Empty container: Dispose of as unused product. Do not re-use empty containers.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Corrosive liquids, n.o.s. (Didecyldimethylammonium chloride)

Transport hazard class(es): 8

UN number: 1760

Packing group, if applicable: III

NAERG: 154

Hazard label: 8

DOT other shipping information: Environmental hazards: no

Special shipping notes: DOT CLASS: NOT REGULATED # NON-HAZARDOUS FOR AIR, SEA AND ROAD FREIGHT.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: See Above: SECTION 2. Hazard Identification-GHS Classification

313 reportable ingredients: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Title III notes: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA rq: Ethanol: CAS-No. 64-17-5: Component RQ (lbs.) 100

Reportable spill quantity: 2000 lbs.

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Didecyl Dimethyl Ammonium Chloride	7173-51-5
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1

16. Other information

Date revised: 07/08/2020

Revision summary: This SDS replaces the 02/26/2019 SDS.

Manufacturer disclaimer: The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.