

SAFETY DATA SHEET

Date issued : 05/07/2015
SDS number : Clark_Noble Chemical Bacti-Free
Date revised : 07/26/2024
Revision number : 2

Noble Chemical Bacti-Free

1. Identification

Product identifier: Noble Chemical Bacti-Free
Product description: Food Contact Surface Sanitizer
Chemical family: Quaternary ammonium chloride
Relevant identified uses: Food service sanitizer

Distributor

Clark Core Services, LLC.
2205 Old Philadelphia Pike
Lancaster, PA 17602

Customer Service: 1-888-256-6400

EPA reg. No.: 6836-266-65239

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:

Acute Toxicity (Oral), Category 4
Skin Corrosion, Category 1
Serious Eye Damage, Category 1

Label elements



Corrosion



Exclamation
mark

Signal word: DANGER

Hazard statement(s)

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.

Precautionary statement(s)

Prevention:

P260: Do not breathe mist, spray, vapors.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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].
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P330: Rinse mouth.
P363: Wash contaminated clothing before reuse.

Storage:

P405: Store locked up.

Disposal:

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

Emergency overview

Physical appearance: Blue liquid

Immediate concerns: Corrosive to the eyes and skin. Harmful if swallowed.

Potential health effects

Eye: Corrosive, contact causes severe eye burns.

Skin: Corrosive to skin.

Skin absorption: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed.

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.

Routes of entry: Eye, skin, ingestion, inhalation.

Warning caution labels: Corrosive

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Octyl decyl dimethyl ammonium chloride	3	32426-11-2
Dioctyl dimethyl ammonium chloride	1.2	5538-94-3
Didecyl dimethyl ammonium chloride	1.8	7173-51-5
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	4	68424-85-1
Alcohol	1 - 2	64-17-5
Dye	< 0.1	TS
Water	80 - 90	7732-18-5

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. Call a poison control center or doctor for treatment advice.

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

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: Burning sensation, redness.

Skin absorption: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed. Corrosive to mouth and upper gastrointestinal tract.

Inhalation: Irritation of nose, throat and lungs with coughing.

Acute effects: Corrosive to eyes and skin. Harmful if swallowed

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

Suitable extinguishing media: Not required.

Explosion hazards: None

Hazardous decomposition products: Decomposition products may include: Carbon dioxide, Carbon monoxide, nitrogen oxides.

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 toxic to fish and aquatic invertebrates.

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

Storage temperature: Store at ambient temperatures.

Storage pressure: Store at ambient atmospheric pressure.

8. Exposure controls/personal protection

Exposure controls

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

Appropriate engineering controls: General ventilation adequate under normal conditions of use.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles, face shield, or safety glasses.

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: Suitable protective clothing required by employer code.

Occupational hygiene practices: Always wash hands after handling chemical products, and before smoking, eating, drinking, or using toilet. Wash contaminated clothing or protective equipment before storage and re-use.

9. Physical and chemical properties

Physical state: Liquid

Color: Blue

Odor: Characteristic.

Odor threshold: Not Established

pH: 6.0 to 9.0

Freezing point: 32° F; 0° C

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

Flash point: > 100°C (212°F)

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: 8.34 at (20°F)

Relative density: 1.000 grams/ml. at (20°F)

Solubility: Complete

Auto-ignition temperature: NA = Not Applicable

Decomposition temperature: Not Available

Viscosity: Water thin.

Percent volatiles: >85

VOC content: < 1.9 % 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
Octyl decyl dimethyl ammonium chloride	229 mg/kg (rat)	421 mg/kg (rabbit)	
Dioctyl dimethyl ammonium chloride	229 mg/kg (rat)	421 mg/kg (rabbit)	
Didecyl dimethyl ammonium chloride	238 mg/kg (rat)	3342 mg/kg (rabbit)	
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	229 mg/kg (rat)	421 mg/kg (rabbit)	No data available

Acute dermal toxicity LD₅₀: > 2000 mg/kg

Acute oral toxicity LD₅₀: ~ 1819 mg/kg

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

Skin corrosion / irritation: Corrosive

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 products were found.

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 toxic 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: Disinfectant, liquid, corrosive n.o.s.

Technical name: Quaternary Ammonium Compounds

UN number: 1903

Transport hazard class(es): 8

Packing group, if applicable: III

Placards: Corrosive

Hazard label: Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

DOT other shipping information: Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

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

Dot label symbol and hazard classification



Corrosive



Limited
Quantity
Ground

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

Carcinogen: No listed substance

FIFRA (federal insecticide, fungicide, and rodenticide act): Regulated as a pesticide. Refer to Section 1 for EPA registration numbers.

16. Other information

Reason for issue: Formulation Change

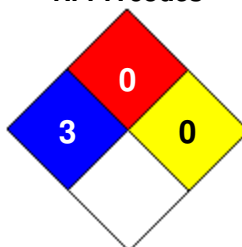
Prepared by: Regulatory Affairs Department **Date revised:** 07/26/2024

Revision summary: This SDS replaces the 01/10/2022 SDS. Revised: **Section 1:** Emergency telephone number (24 hour), EPA reg. No., SDS number, Reason for issue. **Section 2:** Classification of the substance or mixture, Emergency overview - Immediate concerns Potential health effects (Skin absorption, Inhalation), Reproductive toxicity, Routes of entry, Warning caution labels, Label elements, Precautionary statement(s). **Section 3:** % w/w. **Section 4:** Acute toxicity, Eye, Ingestion, Inhalation, Most important symptoms and effects, both acute and delayed (Inhalation, Skin absorption), Skin protection - hand protection. **Section 7:** Conditions for safe storage. **Section 8:** Appropriate engineering controls, Individual protection measures, such as personal protective equipment (Skin protection - other), Occupational hygiene practices. **Section 9:** Density, Evaporation rate (n-butyl acetate = 1), Percent volatiles, pH, Relative density, Relative vapor density, Vapor pressure, VOC content. **Section 11:** Acute (LD₅₀ (oral) mg/kg(rat), LD₅₀ (oral) mg/kg(rat), LC₅₀ (inhalation) mg/l, LD₅₀ (oral) mg/kg(rat)), , . **Section 12:** Persistence and degradability, Ecotoxicological information, Environmental data, Aquatic toxicity, both acute and chronic. **Section 13:** Disposal methods, Empty container. **Section 14:** ICAO - air - UN proper shipping name IMDG - sea - UN proper shipping name. **Section 15:** Carcinogen, CERCLA regulatory, FIFRA (federal insecticide, fungicide, and rodenticide act). **Section 16:** HMIS rating - Personal protection.

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.