

SAFETY DATA SHEET

Date issued : 04/27/2020

SDS number : Kandel & Son_TAC-20 Neutral Disinfectant Cleaner

Date revised : 12/16/2021

Revision number : 1

TAC-20 Neutral Disinfectant Cleaner

1. Identification

Product identifier: TAC-20 Neutral Disinfectant Cleaner
Product description: Neutral Disinfectant and Detergent
Chemical family: Quaternary Ammonium Chloride
Relevant identified uses: Disinfectant, Virucide, Fungicide

Distributor

Kandel & Son, Inc.
155 Dupont Street
Plainview, NY 11803
Customer Service: 516-931-4455

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
Acute Toxicity (Oral), Category 5
Serious Eye Damage, Category 1

Environmental hazards:

Acute Hazards to the Aquatic Environment, Category 1

Label elements



Corrosion



Environment

Signal word: DANGER

Hazard statement(s)

H318: Causes serious eye damage.
H315: Causes skin irritation.
H302: Harmful if swallowed.
H401: Toxic to aquatic life.

Precautionary statement(s)

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P273: Avoid release to the environment.
P102: Keep out of reach of children.
P264: Wash hands thoroughly after handling.
P234: Keep only in original packaging.

Response:

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P363: Wash contaminated clothing before reuse.
P391: Collect spillage.

Storage:

P405: Store locked up.

Disposal:

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

Emergency overview

Physical appearance: Yellow liquid

Immediate concerns: Causes irreversible eye damage and skin burns.

Potential health effects

Eye: Corrosive, contact causes severe eye burns.

Skin: Contact causes severe skin irritation and possible burns.

Skin absorption: Harmful if absorbed through skin.

Ingestion: Harmful if swallowed.

Reproductive toxicity

Teratogenic effects: None known.

Carcinogenicity: None known.

Mutagenicity: None known.

Routes of entry: Eye, skin, ingestion.

Warning caution labels: Irritant

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride	1.69	68424-85-1
Didecyl Dimethyl Ammonium Chloride	2.535	7173-51-5
Nonoxynol	0 - 5	127087-87-0
Tetrasodium EDTA	0 - 5	64-02-8
Dye	< 0.1	TS
Fragrance	< 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: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

Skin: Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

Inhalation: Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

Most important symptoms and effects, both acute and delayed

Eye: Severe burning sensation, damage marked by burns.

Skin: Burning sensation, redness.

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

Inhalation: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

Acute effects: Corrosive to eyes. Causes moderate to severe skin irritation. 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 and 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: Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Storage temperature: Store at ambient temperatures.

Storage pressure: Store at ambient atmospheric pressure.

8. Exposure controls/personal protection

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles.

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.

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: 6.0 to 8.0

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): (Water = 1) 1.0

Lower explosion limit / flammability limit: N/A

Vapor pressure: 20 mm Hg at (68°F)

Relative vapor density: ~ 1 Air = 1

Density: 8.35 at 20°C (68°F)

Relative density: 1.001 grams/ml. at 20°C (68°F)

Solubility: Complete

Auto-ignition temperature: NA = Not Applicable

Decomposition temperature: Not Available

Viscosity: Water thin.

Percent volatiles: >90

VOC content: None

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
Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride	430 mg/kg (rat)	3560 mg/kg (rat)	
Didecyl Dimethyl Ammonium Chloride	238 mg/kg (rat)	3342 mg/kg (rat)	0.07 mg/L
Nonoxynol	3980 mg/kg (rat)	No data available	1.15 mg/L
Tetrasodium EDTA	3030 mg/kg (rat)	> 5000 mg/kg (rabbit)	

Acute dermal toxicity LD₅₀: > 2000 mg/kg male and female rabbits.

Acute oral toxicity LD₅₀: > 1000 mg/kg Male and Female rats.

Skin corrosion / irritation: Corrosive

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 fish and aquatic invertebrates.

Aquatic toxicity, both acute and chronic: Not Established

Persistence and degradability: This product is biodegradable.

Other adverse effects: Not Established

13. Disposal considerations

Disposal methods: Attempt to use product completely in accordance with intended use. 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: Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose in a sanitary landfill, or by incineration.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not regulated.

Placards: None

Hazard label: None

U.S. Customs harmonization number: 3808.94.0000

ICAO - air

UN proper shipping name: Not regulated.

IMDG - sea

UN proper shipping name: Not regulated.

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 313 Toxic Chemicals

Chemical name	% w/w	CAS No.	Comments
Nonoxynol	0 - 5	127087-87-0	N535 Nonylphenol Ethoxylates

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: No listed substance

TSCA (The Toxic Substances Control Act)

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

States with special requirements

Chemical name	Requirements
Nonoxynol	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance

California Proposition 65: No listed substance

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

16. Other information

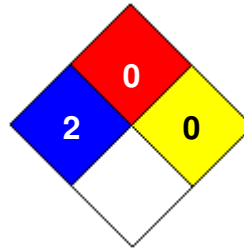
Date revised: 12/16/2021

Revision summary: This SDS replaces the 04/27/2020 SDS. Revised: **Section 2:** Classification of the substance or mixture.

HMIS rating

Health		2
Flammability		0
Physical hazard		0
Personal protection		B

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.