

SAFETY DATA SHEET

Date issued : 05/13/2015
SDS number : Triple S_61 ACE 256
Date revised : 07/22/2021
Revision number : 1

SSS Navigator & Navigator PDC #61 ACE 256 Neutral Disinfectant & Detergent

1. Identification

Product code: 48261, 48327
Product identifier: SSS Navigator & Navigator PDC #61 ACE 256 Neutral Disinfectant & Detergent
Product description: Neutral Disinfectant and Detergent
Chemical family: Quaternary ammonium chloride blend
Relevant identified uses: Disinfectant, Virucide, Fungicide

Distributor

Triple S
98 Spit Brook Road
Nashua, NH 03062
<http://www.triple-s.com>
Customer Service: 978-667-7900

Emergency telephone number (24 hour)

888-779-1339

EPA reg. No.: 10324-141-12120

2. Hazard identification

Classification of the substance or mixture

Health hazards:

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

Label elements



Corrosion



Exclamation
mark

Signal word: DANGER

Hazard statement(s)

H302 + H312: Harmful if swallowed or in contact with skin.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

Supplemental label elements:

P102: Keep out of reach of children.

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.
P273: Avoid release to the environment.
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.
P302+P352: IF ON SKIN: Wash with plenty of soap and water
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.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth.

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: Blue liquid

Immediate concerns: Causes irreversible eye damage and skin burns.

Potential health effects

Eye: Corrosive, contact causes severe eye burns.

Skin: Corrosive, causes skin burning.

Skin absorption: Harmful in contact with skin.

Ingestion: Harmful if swallowed.

Inhalation: Mist is irritating to nose, throat and lungs.

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	10.14	7173-51-5
Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride	6.76	68424-85-1
Tetrasodium EDTA	1 - 5	64-02-8
Nonoxynol	1 - 4	127087-87-0
Alcohol	1 - 4	64-17-5
Fragrance	< 1	TS
Dye	< 0.1	TS
Water	70 - 80	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 mouth-to-mouth, if possible.

Most important symptoms and effects, both acute and delayed

Eye: Severe burning sensation, tearing, redness, swelling.

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 and skin. Harmful if swallowed or in contact with skin.

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. 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

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

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: Blue

Odor: Citrus floral

Odor threshold: Not Established

pH: 6.5 to 8.5

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: 8.40 at 20°C (68°F)

Relative density: 1.007 grams/ml. at 20°C (68°F)

Solubility: Complete

Auto-ignition temperature: NA = Not Applicable

Decomposition temperature: Not Available

Viscosity: Slightly viscous.

Percent volatiles: >80

VOC content: 3.18 % 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 mg/kg (rat)	
Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride	430 mg/kg (rat)	3560 mg/kg (rabbit)	
Tetrasodium EDTA	3030 mg/kg (rat)	> 5000 mg/kg (rabbit)	
Nonoxynol	960 to 3980 mg/kg (rat)	4490 mg/kg (rabbit)	
Alcohol	10400 mg/kg (rat)	15800 mg/kg (rabbit)	30000 mg/l (rat)

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

Serious eye damage / 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: Very toxic to aquatic life.

Persistence and degradability: This product is biodegradable.

Other adverse effects: Toxic to aquatic life with long lasting effects.

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.

Product disposal: See above.

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

Technical name: Quaternary Ammonium Compounds

Transport hazard class(es): 8

UN number: 1903

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

Technical name: Quaternary Ammonium Compounds

UN number: 1903

Transport hazard class(es): 8

Packing group, if applicable: III

IMDG - sea

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

Hazard label: Corrosive

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

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.	Comments
Nonoxynol	1 - 4	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

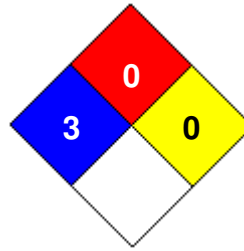
Prepared by: Regulatory Affairs Department **Date revised:** 07/22/2021

Revision summary: This SDS replaces the 05/13/2015 SDS. Revised: **Section 2:** Classification of the substance or mixture.

HMIS rating

Health		3
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.