

01 Chemical Product and Company Identification

Product Name Twenty
Product Use Disinfectant /Sanitizer
Product Code 3515
For Medical Emergency Call 'Chemtrec' 1-800-424-9300
Supplier's Information Santec Inc.
 1420 East Linden Avenue, Linden NJ 07036
 This product is a registered pesticide. EPA No. 10324-117-84179

02 Hazards Identification

GHS Classification: 1. Skin - Category 1
 2. Eyes - Category 1
Signal Word: Danger
Hazard Statement: Corrosive to the eyes, skin, gastrointestinal tract and respiratory system.
Precautionary Statements: Wear protective gloves, splash goggles, face shield and protective clothing. Wash thoroughly after handling.

GHS Label Element:



Acute Effects

Eyes: Causes burns and may result in permanent injury to eyes including blindness.
Skin: Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin.
Inhalation: Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness.
Ingestion: Although relatively low in toxicity, ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death.

Chronic Effects

Carcinogenicity: No known critical effects or critical hazards.
Product /Ingredient Name: Not available.

03 Composition/ Information on Ingredients

Name of Hazardous Ingredients	CAS No.	WT.%
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16)	68424-85-1	3-6
Octyl Decyl Dimethyl Ammonium Chloride	32426-11-2	2-4
Dioctyl Dimethyl Ammonium Chloride	5538-94-3	1-3
Didecyl Dimethyl Ammonium Chloride	7173-51-5	1-3
Ethanol	64-17-5	1-3

04 First Aid Measures

Eye Contact: Check for and remove any contact lenses. Flush with large quantities of water, holding eyelids open for 15 minutes. Seek medical attention at once.
Skin Contact: Wash skin with copious amounts of water. If symptoms persist seek medical attention.
Inhalation: Remove to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink copious amounts of water. Seek medical attention immediately.

05 Fire Fighting Measures

Suitable Fire Extinguishing Media: Use water spray, fog or foam, CO₂
Specific Hazards Arising from the Chemical: In a fire or if heated, irritating and toxic gases or fumes may be released.
Hazardous Thermal Decomposition Products: No Specific Data
Specific Fire-Fighting Methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Specific Protective Equipment for Fire-Fighters: Fire-Fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

06 Accidental Release Measures

Spill Clean Up: Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move Containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

07 Handling and Storage

Handling: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Wash thoroughly after handling.

Storage: Store between the following temperatures: 4.44 to 48.9°C (40 to 120°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

08 Exposure Controls/ Personal Protection

<u>Ingredient Name</u>	<u>Exposure Limits</u>
Ethanol	OSHA PEL 1000 ppm

Personal Protective Equipment (PPE)

Eyes: Safety glasses, face shield, splash goggles.

Skin: Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Body: For prolonged or repeated handling, use gloves. Nitrile gloves. Rubber gloves. Neoprene gloves.

Respiratory: Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

09 Physical and Chemical Properties

Physical State	Clear liquid
Color	Light Red
Odor	Organic
pH	6.0-8.0
Flash point	None
Explosion limits	Not available
Flammability (solid, gas)	Not available
Melting point	Not available
Boiling point	Not available
Evaporation rate (butyl acetate = 1)	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.98 (Water = 1)
Solubility	Easily soluble in the following materials: cold water and hot water
Partition coefficient n-octano/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Odor threshold	Not available
Viscosity	Kinematic (room temperature): < 10 (CPS)

10 Stability and Reactivity

Stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Keep away from heat and strong oxidizing agents.

Materials to avoid: Strong oxidizers, reducing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.

11 Toxicological Information

Product /Ingredient Name	Result	Species	Dose
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16)	LD50 Oral	Rat	1850 mg/kg
Octyl Decyl Dimethyl Ammonium Chloride	LD50 Oral	Rat	1850 mg/kg
Dioctyl Dimethyl Ammonium Chloride	LD50 Oral	Rat	1850 mg/kg
Didecyl Dimethyl Ammonium Chloride	LD50 Oral	Rat	1850 mg/kg
Ethanol	LD50 Oral	Rat	3632 mg/kgmg/kg

12 Ecological Information

N/A

13 Disposal Considerations

Waste Information
Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14 Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	UN1903	disinfectant liquid corrosive, n.o.s. (quaternary ammonium compound)	8	III	

Note: DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.
PG*: Packing Group

15 Regulatory Information

U.S. Federal Regulations
TSCA 8(b) inventory: All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No listed substance
SARA 302/304 emergency planning and notification: No listed substance

SARA 313	Product name	CAS number	Concentration
Form R-Reporting requirements	No listed substance		

16 Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*Hazard Determination System (HDS):

Health	2
Reactivity	0
Flammability	0

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*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.