

# MATERIAL SAFETY DATA SHEET



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**EMERGENCY CONTACT: CHEMTREC (800-424-9300)**

**TRADE NAME: Neutral Disinfectant Cleaner**  
**CHEMICAL FAMILY: Quaternary ammonium compound**  
**EPA Registration Number: 10324-154-83914**

**MSDS No. HCSneutdis-1**

Preparation Date: 11/28/06

## NFPA HAZARD SUMMARY (0-4 Scale)

Health: 3                      Flammability: 0                      Reactivity: 0                      Special: N/A

## HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>CAS</u>	<u>Exposure Limits</u>	<u>LD<sub>50</sub></u>	<u>%</u>
Alkyl dimethyl benzyl ammonium chloride (C <sub>12-16</sub> )	Quaternary Ammonium chloride	68424-85-1		>1000 mg/kg	1-2
Didecyl dimethyl ammonium chloride	Quaternary Ammonium chloride	7173-51-5		>1000 mg/kg	2-3
Ethanol	Ethanol	64-17-5	1000ppm (TWA)		0.5-1.0

## EMERGENCY FIRST AID PROCEDURES

**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.

**EYES:** Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Seek medical attention at once.

**INHALATION:** If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.**

## FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS</u>		<u>AUTO IGNITION TEMP</u>
	<u>(LEL)</u>	<u>(UEL)</u>	
>200°F (Tag CC)	N/A	N/A	N/A

**EXTINGUISHING AGENTS:** Dry chemical, foam, carbon dioxide, water fog or any other agent suitable for surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Irritating and toxic gasses or fumes may be released during a fire. Combustion products are toxic.

## REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>
Stable	Carbon Monoxide, carbon dioxide and toxic hydrogen chloride vapor.	Strong oxidizing agents, reducing agents

## HAZARDOUS POLYMERIZATION

Will not occur.

## PHYSICAL DATA

<u>APPEARANCE &amp; ODOR</u> Clear, yellow liquid with lemon odor.	<u>VAPOR DENSITY (AIR=1)</u> N/A	<u>BOILING POINT</u> N/A	<u>SOLUBILITY IN WATER</u> Soluble
<u>SPECIFIC GRAVITY</u> 1.00	<u>EVAPORATION RATE</u> (N-Butyl Acetate=1) N/A	<u>VAPOR PRESSURE (mmHg)</u> N/A	<u>PERCENT VOLATILE BY VOLUME</u> N/A

## CHEMICALS LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN

OSHA: NO IARC MONOGRAPHS: NO NTP: NO

## HEALTH HAZARD DATA

SKIN: Causes corrosive burns. Brief exposure may cause irritation and defatting of the skin. Exposure not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through skin.

EYES: Causes burns and may result in permanent injury to eyes including blindness.

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, drowsiness and death. Harmful if inhaled.

INGESTION: Ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death.

## MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None are known.

## PERSONAL PROTECTION DATA

<u>RESPIRATORY PROTECTION</u> NIOSH/MSNA approved respirator if irritation is experienced.	<u>EYE PROTECTION</u> Chemical goggles	<u>PROTECTIVE GLOVES</u> Rubber or neoprene	<u>OTHER PROTECTIVE EQUIPMENT</u> None
<u>VENTILATION:</u>	<u>Mechanical</u> None	<u>Local</u> Explosion proof exhaust ventilation	<u>Special</u> None

## SPECIAL PRECAUTIONS

Store in a cool area away from oxidizing agents. Keep from freezing. Do not handle or store near an open flame, heat or other ignition sources.

## SPILL OR LEAK PROCEDURES

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Large spills should be diked far ahead of the liquid spill and pumped into containers for disposal.

## DOT SHIPPING INFORMATION

Disinfectant Liquid Corrosive, NOS (Quaternary Ammonium Compound), 8, UN1903, PG III

N/A = Not Applicable  
NFPA = National Fire Protection Association  
NOIBN = Not Otherwise Identified by Name  
TLV = Threshold Limit Value  
UNK = Unknown at This Time

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