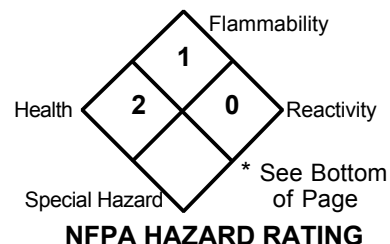


# MATERIAL SAFETY DATA SHEET

# 21

Distributed by:

**Chem Source**  
1904 Lenore Lane  
Red Wing, MN 55066



Product Name: **Barrier II**

24-HOUR EMERGENCY PHONE #: 1-800-424-9300 (CHEMTREC)

Revised: 6/21/2006 Imt  
Supersedes: 9/6/2001

## I. IDENTIFICATION

### Chemical Name And Synonyms:

Not applicable

### DOT Shipping Name

Corrosive Liquid, N.O.S.  
(Quaternary Ammonium Chloride)

### Chemical Family:

Quaternary

### DOT Hazard Class & I.D. Number

Corrosive Material UN1760

# PG  
8 III

## II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Quat. Ammonium chloride	mixture	10	Not established	Not established	NA	Skin and eye irritant
Ethanol	64-17-5	1	TWA=1000 ppm		NA	Combustible

\*\*Toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR §372).

NA: Not applicable  
NE: Not established

## III. PHYSICAL DATA

**Boiling Point:** Above 212° F.

**Specific Gravity:** 0.989

**Appearance:** Clear, red liquid

**Form:** Liquid

**Solubility In Water:** Complete

**Odor:** None

**pH, Neat:** 7.9

## IV. FIRE AND EXPLOSION HAZARD DATA

**Flashpoint:** >200°F

**Extinguishing Media:** Water fog - carbon dioxide - dry chemical - "alcohol" foam.

### Special Fire

**Fighting Procedures:** Cool fire exposed drums with water spray. Good fire-fighting technique dictates the use of self-contained breathing apparatus and other protective gear.

### Unusual Fire And

**Explosion Hazards:** None known

## V. HEALTH HAZARD DATA

**Carcinogenic:** The raw materials used in this product are not considered to be a carcinogen by ACGIH and OSHA.

**Effects Of Over-exposure:** Causes skin and eye irritation and/or burns. May be harmful if swallowed. May irritate respiratory tract. The severity of effects depend on concentration and how soon after exposure the area is washed.

### Emergency And First

**Aid Procedures:** EYES: Immediately wash with plenty of water for 15 minutes, raising eyelids for complete rinsing. Get medical attention.

SKIN: Wash thoroughly with water for 15 minutes. Remove and wash contaminated clothing before reuse. If irritation occurs and persists, call a physician.

INGESTION: Give large quantities of water. Call a physician immediately. Never give liquids to an unconscious person.

INHALATION: Remove person from exposure. If breathing difficulty occurs, get medical attention.

\* NFPA/HMIS Degree or Hazard: 4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant.

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## VI. REACTIVITY DATA

Stability - Unstable:                      Stable: **X**

Conditions To Avoid: Extreme heat or sources of ignition.

Incompatibility: Strong oxidizing agents.  
(Materials To Avoid)

**Hazardous**

Decomposition Products: Carbon monoxide, carbon dioxide, nitrous oxides and ammoniacal vapors.

## VII. SPILL OR LEAK PROCEDURES

### Steps To Be Taken In Case Material Is Released Or Spilled:

Contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid to container for recovery or disposal.

Waste Disposal Method: Dispose of according to current local, state and federal regulations.

## VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Respiratory protection is not required for normal use. If mist level is high, wear NIOSH approved respirator.

Ventilation: Adequate mechanical

Protective Gloves: Impervious rubber

Eye Protection: Safety glasses

Protective Clothing: If repeated or prolonged contact is anticipated, wear protective clothing.

## IX. SPECIAL PRECAUTIONS

### Precautions To Be Taken In Handling And Storing:

Avoid contact with skin and eyes. Store containers in dry, cool, well ventilated areas. Avoid overheating or freezing. Spilled material is slippery. Wash thoroughly after handling.

Other Precautions: Safety showers and eyewash stations should be available in handling areas.

## X. REVISED INFORMATION

MSDS Status: Added DOT and general update