



Essential Ingredients
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Health 1
 Fire 0
 Reactivity 0



Section 1: Identity

Trade Name: EQUAT Cetac-30%
Chemical Family: Quaternary Ammonium Compounds
Formula:
Chemical Name: Cetyl trimethyl ammonium chloride
C.A.S. No.: 112-02-7

Section 2: Hazardous Ingredients

	<u>Weight</u>	<u>TWA/TLV</u>
Cetyl trimethyl ammonium chloride	29.0%	ND

Section 3: Physical and Chemical Characteristics (Fire & Explosion Data)

Boiling Point:	212°F	pH 7% dispersion:	3-4
Percent Volatile:	70.0% (by weight)	Evaporation Rate:	ND (Butyl Acetate=1)
Solubility In Water:	Soluble	Vapor Pressure:	ND
Appearance and Odor:	White Paste, Typical Odor	Specific Gravity:	ND
Flash Point:	ND	Upper Explosion (%):	ND
Lower Explosion (%):	ND	Auto Ignition Temp:	ND
Extinguishing Media:	Dry Chemical, Water Fog, CO2, Foam		
Special Fire Fighting Procedures:	Cool fire exposed containers with spray. Must wear MSHA/NIOSH approved self-contained breathing apparatus.		
Unusual Fire Explosion Hazards:	None known.		

Section 4: Physical Hazards

Stability: Stable
Incompatibility: Strong oxidizers or reducing agents
Conditions to avoid: Mixing with strong oxidizers or reducing agents
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.

Section 6: Health Hazards

Routes of Entry:	Skin Contact, Inhalation, Eye Contact.
Acute effects:	
Inhalation:	Mist caused by manufacturing operations irritates nasal passages. If vapor or mist cause irritation or distress, remove to fresh air. Give Oxygen or apply artificial respiration, if needed.
Eye Contact:	Contact with eyes is painful and irritating. Flush eyes immediately with plenty of water for at least 15 minutes.
Skin Contact:	Prolonged or repeated contact with skin causes irritation. Wash off skin with water. Remove contaminated clothing and clean before reuse.
Ingestion:	If swallowed, consult a physician immediately.
First Aid:	
Skin and eye:	In case of contact, immediately flush the eyes and skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.
Ingestion:	If swallowed drink promptly, a large quantity of egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Chemicals Listed as Carcinogen by:

OSHA:	NO
I.A.R.C, Monographs:	NO
National Toxicology Program:	NO

Section 6: Toxicity

Acute OralLD50:	ND
Acute Dermal:	ND
Primary Skin:	ND
Primary Eye:	ND

Section 7: Special Protection Information

Ventilation type:	Mechanical (Explosion proof)
Respiratory Protection:	None required if good ventilation is maintained. For mist or vapor wear NIOSH approved respirator.
Protective Gloves:	Rubber or Neoprene
Eye Protection:	Splashproof safety goggles
Other Equipment:	Impervious apron, eyewash facility, emergency shower, faceshield.

Section 8: Special Precautions and Spill/Leak Procedure

Handling and Storage:	Keep from freezing. Store in original container.
Spill and Leak Procedure:	Floors are slippery when material is spilled. Remove ignition sources. Wear respirator. Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.
Waste Disposal:	Incinerate. Make sure that all federal, state and local regulations are observed.

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Revised 06/16/04