

Sold by:
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Health 1
Fire 0
Reactivity 0

April 1, 2005

Section 1: Identity EPA Reg. No. 10324-85 -81874

Trade Name: MAR-T54
Chemical Family: Quaternary Ammonium Compounds
Formula: (See Section 2)
Chemical Name: (See Section 2)
DOT Proper Shipping Name: N/A

Section 2: Ingredients

	<u>Weight</u>	<u>Exposure Limits</u>
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chloride (CAS #68424-85-1)	0.034%	ND
Octyl decyl dimethyl ammonium chloride (CAS #32426-11-2)	0.026%	ND
Dioctyl dimethyl ammonium chloride (CAS #5538-94-3)	0.013%	ND
Didecyl dimethyl ammonium chloride (CAS #7173-51-5)	0.013%	ND
Na ₄ EDTA (CAS #64-02-8)	0.030%	ND
Sodium Metasilicate, Pentahydrate (CAS #10213-79-3)	0.008%	ND
Nonoxynol-10 (CAS #26027-38-3)	0.039%	ND
Fragrance	0.003%	ND
Dye	0.0001%	ND
Water	99.8339%	

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

Boiling Point: ND
Percent Volatile (by weight) ND
Solubility In Water: Soluble
Appearance and Odor: Colorless to light straw in color

Specific Gravity: (H₂O = 1) 1.00
Flash Point: ND

Extinguishing Media: Dry Chemical, Water Fog, CO₂, Foam
Special Fire Fighting Procedures:
Fire fighters should wear self-contained breathing apparatus and protective clothing.
Unusual Fire Explosion Hazards:
No special hazards known.

pH 6-9
Evaporation Rate Butyl Acetate=1 ND
Vapor Pressure: ND
Vapor Density (Air = 1) ND
Auto Ignition Temp.: ND
Lower Explosion (%): ND
Upper Explosion (%): ND

Section 4: Physical Hazards

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

Conditions to avoid: NA
Conditions to avoid: Mixing with strong oxidizers or reducing agents

Section 5: Health Hazards

Routes of Entry: Eye Contact, Skin Contact, Ingestion, Inhalation.

Eye Contact: Causes moderate eye irritation.

Skin Contact: Harmful if absorbed through skin.

Ingestion: Harmful if swallowed.

Inhalation: None known.

First Aid:

Eye Contact: 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. Call a poison control center or doctor for treatment advice.

Skin Contact: 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.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have a 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.

Inhalation: If breathing is affected, remove to fresh air. Get medical attention.

Chemicals Listed as Carcinogen by:

OSHA -NO

I.A.R.C. Monographs -NO

National Toxicology Program -NO

Section 6: Toxicity

Acute Oral LD₅₀ ND

Acute Dermal ND

Primary Skin - ND

Primary Eye - ND

Section 7: Special Protection Information

Ventilation type: General room ventilation adequate.

Respiratory Protection: No special requirements under normal use conditions.

Protective Gloves: No special requirements under normal use conditions.

Eye Protection: No special requirements under normal use conditions.

Other Equipment: No special requirements.

Section 8: Special Precautions and Spill/Leak Procedure

Precautionary Information: CAUTION, Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco.

Handling and Storage: Store in original container in areas inaccessible to small children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).

Spill and Leak Procedure: 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.

Other handling and Storage Conditions: Keep out of reach of Children. Refer to product label for additional Hazards and Storage and Disposal information.

The seller makes no warranty expressed or implied concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.