

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION

Product Name: Quat-39
Product Number: 13-195
D.O.T. Shipping Name: NA
D.O.T. Hazard Class: Non-Hazardous

H.M.I.S. Rating Scale
0= Minimal 3= Serious
1= Slight 4=Severe
2=Moderate

Component	Cas. No.	Exposure Limits, PPM		
		OSHA PEL	ACGIH TLV	OTHER LIMIT
Di-n-alkyl (C8/C10-50%, C10/C10-30%, C8/C8-20%) Dimethyl Ammonium Chloride	68424-95-3		NE	
N-alkyl (C14-50%, C12-40%, C16-10%) Dimethyl Benzyl Ammonium Chloride	6842-85-1		NE	
Nonyl Phenol Ethyoxyate	Mixture		NE	
Tetrasodium Ethylenediamine Tetraacetate	64-02-8		NE	
Sodium Metasilicate	6834-92-0		NE	

Hazard Rating:
Health: 3
Fire: 1
Reactivity: 0
Special:

SECTION II - EMERGENCY AND FIRST AID

Inhalation: Remove to fresh air. If not breathing clear airway and start artificial respiration. If breathing difficult, give supplemental oxygen, if available. Get immediate medical attention.
Eye Contact: While holding eyelids apart, flush with large amounts of running water for 15 minutes. Get immediate medical attention.
Skin Contact: Wash with large amounts of soap and water for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and shoes before re-use. Get immediate medical attention.
Ingestion: Immediately give 3-4 glasses of milk or water. Do not induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention.
Other:

SECTION III - PHYSICAL DATA

Boiling Point: ND
Melting Point: ND
Specific Gravity (Water=1): 1.02
Appearance/Odor: Clear, assorted colors, assorted fragrances
Vapor Pressure, MM HG/20 DEG. C: ND
Vapor Density, (Air=1): ND
Water Solubility, %: 100
Evaporation Rate (Butyl Acetate=1): ND

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point, DEG. F.: Non-Flammable
Flammable Limits In Air, %:
Method Used: NA
Lower: ND Upper: ND
Extinguishing Media: Foam, dry chemical, water spray, CO2

Special Fire Fighting Procedures: Must wear OSHA/NIOSH approved self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: Products of combustion are toxic.

SECTION V - REACTIVITY DATA

Stability: Stable
Conditions To Avoid: None known.
Materials To Avoid: None known.
Hazardous Decomposition Products: Thermal decomposition may produce toxic fumes of organic chlorides, amines, hydrogen chloride, ammonia and oxides of carbon and nitrogen.
Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD INFORMATION

Primary Routes of Exposure: Skin and Eyes.

Signs & Symptoms of Exposure
Inhalation: Vapors or mists can irritate mucous membranes
Eye Contact: Direct contact can cause severe irritation.
Skin Contact: Direct contact can cause severe irritation.
Swallowed: Can cause nausea, stomach ache, and diarrhea.
Chronic Effects of Exposure: None known.
Medical Conditions generally aggravated by Exposure: None known

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated: No

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

For Spills or Leakage: Wear self-contained breathing apparatus. Dike and contain spill with inert material and transfer liquid and solid separately to containers. Keep spill out of sewers and open bodies of water.

Disposal Methods: In accordance with state, local and federal regulations.

SECTION VIII - SPECIAL PRECAUTIONS

Handling and Storage Precautions: Store at room temperatures below 140°F. Keep container closed until used. Do not contaminate drinking water, food or feed by storage or disposal.

Other Precautions: Keep out of reach of children.

SECTION IX - SPECIAL PROTECTION

Ventilation: Adequate mechanical, Good ventilation practices
Respiratory Protection: Wear NIOSH/MSHA approved breathing apparatus for prolonged exposure to mists or sprays.
Eye Protection: Chemical splash goggles, safety glasses with side shields.
Protective Clothing: Rubber or neoprene gloves, long sleeves or coveralls as appropriate.
Other Protective Measures: Eyewash station in work area.

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