



Preference - Q

NFPA/HMIS: Health -2, Flammability -0, Reactivity -0

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)
Material Safety Data Sheet US Department Of Labor

SECTION - 1 CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME: Preference - Q
PRODUCT USE: Quaternary Ammonium Cleaner
PRO-LINK 510 Chapman Street, Canton, MA
EMERGENCIES: 1-800-255-3924
REVISION DATE: 8/12/99

SECTION - 2 COMPOSITION ON INGREDIENTS

CAS #	CHEMICAL	Wt%	TWA/TLV
68424-85-1	dimethyl benzyl ammonium chloride	1.52%	ND
32426-11-2	octyl decyl dimethyl ammonium chloride	1.14%	ND
5538-94-3	dioctyl dimethyl ammonium chloride	.57%	ND
7173-51-5	didecyl dimethyl ammonium chloride	.57%	ND
64-02-8	tetrasodium ethylenediamine tetraacetate	2.47%	ND
68131-40-8	polyethylene glycol 9 moles	3.50%	ND
77-92-9	citric acid	.50%	ND

SECTION - 3 HAZARDS INFORMATION

Primary Route(s) of Entry: Skin contact /absorption, inhalation and eye contact
Target Organ Effects: None expected
IMMEDIATE HEALTH EFFECTS
EYES: Exposure may cause noticeable pain, and severe irritation.
SKIN: Exposure may cause severe skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, and drying and cracking. Additional symptoms of skin contact may include allergic reaction. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal handling and use.
INHALATION: Solvent vapors or mist of products can cause irritation of mucous membrane.
INGESTION: May be fatal. Burning pain in mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions.
REPRODUCTIVE / DEVELOPMENTAL INFORMATION: No Data
CARCINOGENIC INFORMATION: This material is not listed as a carcinogen by IARC, NTP, or OSHA
LONG TERM EFFECTS: No Data

SECTION - 4 FIRST AID MEASURES

Eye/Skin Contact: Immediately flush with water for 15 minutes. Remove and wash contaminated clothing before reuse. For eyes call physician. Get medical attention if symptoms occur.
Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, call a physician.
Ingestion: If swallowed drink promptly, large quantity of egg whites, gelatin solution or large quantities of water. Avoid alcohol. Call a physician immediately. Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION - 5 FIRE FIGHTING MEASURES

Flash Point: Over 200°F
Explosive limits: Not Applicable
Autoignition Temperature: Not Applicable
Hazardous Products of Combustion: Not Applicable
Extinguishing Media: Not Applicable
Fire Fighting Instructions: Avoid contact with this material. Avoid walking in spilled material. Wear protective clothing for skin and eyes
Extinguishing Media: Dry chemical, Water Fog, CO₂, Foam

SECTION - 6 ACCIDENTAL RELEASE MEASURES

Small Spill: Remove ignition sources. Wear respirator. May be mopped up or flushed away with water or absorbed on some absorbent material and incinerated.
Large Spill: Stop leak at the source and collect into a suitable container, then treat as a small spill.

SECTION - 7 HANDLING AND STORAGE

Handling: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.
Storage: Store in original container. Keep from freezing. Keep container closed when not in use.

SECTION - 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Chemical Splash goggle in compliance with OSHA regulations are advised: however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection: Wear rubber or neoprene gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: If good ventilation is maintained none is required. If workplace exposure limits of product or any component are exceeded (see exposure guidelines), NIOSH/OSHA approved air supplied respirator is advised in the absence of proper environmental control. OSHA relations also permit other NIOSH/OSHA respirators (negative pressure type) under specific conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls: Provide sufficient mechanical (explosion proof) ventilation (general and local exhaust) to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

SECTION - 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: colorless -light straw, benzaldehyde odor
pH Concentrate: 6.0 – 9.0
Vapor Pressure: No Data Available
Vapor Density: No Data Available
Boiling Point: No Data Available
Solubility in Water: Complete
Percent Volatile: No Data Available
Specific Gravity: (H₂O =1) 1.01 +/- 0.02

SECTION - 10 STABILITY AND REACTIVITY

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

SECTION - 11 TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀: No Data Available
Acute Dermal: No Data Available
Primary Skin: No Data Available
Primary Eye: No Data Available

SECTION - 12 ECOLOGICAL INFORMATION

No Data Available

SECTION - 13 DISPOSAL CONSIDERATION

Waste Disposal Information: Incinerate. Dispose of in accordance with all applicable Federal, State, and Local regulations.
RCRA Information: If this material becomes a waste, it would not be considered hazardous under 40 CFR 261.22.

SECTION - 14 TRANSPORT INFORMATION

DOT Information 49 CFR 172.101
DOT Description: 33440 Class 55
DOT Hazard Class: Non Hazardous
Hazardous Component: None
Reportable Quantity (RQ) - 49 CFR 172.101: Not Applicable

SECTION - 15 REGULATORY INFORMATION

US Federal Regulations
TSCA (Toxic Substances Control Act) Status
TSCA (United States) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 355 Appendix A: None
SARA 302 Components 40 CFR Appendix A: None
Section 311/312 Hazard Class 40 CFR 370.2:
Immediate (X) Delayed (X) Fire () Reactivity () Sudden Release of Pressure ()
SARA 313 Components - 40 CFR 372
State and Local Regulations
California Proposition 65: None
California SCAQMD Rule 443.1 VOC's: None
North Carolina Administrative Code 2D.1104 and 2B.0610: None
South Carolina Regulation 62.5 Standard Number 8: None

SECTION - 16 OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances. This information was compiled from current manufacturer's MSDS's of the component parts of the product as well as other sources, such as:
Code of Federal Regulations 29, Revised as of July 1, 1994.
Code of Federal Regulations 40, Revised as of July 1, 1994.
ACGIH, Guide to Occupational Exposure Values, 1996.
ANSI Z129.1-1994, Precautionary Labeling for Hazardous Industrial Chemicals.
Hazard Communication Handbook, A Right To Know Compliance Guide. Craig A. Moyer & Michael Francis. Clark Broadman Company. Ltd. New York, NY 1992
RCRA Regulations and Keyword Index, Compiled and Published by McCoy and Associates, Inc Lakewood, Colorado. 1992.