

MATERIAL SAFETY DATA SHEET**SECTION I. IDENTIFICATION OF PRODUCT**

Name: FLO QUAT

Identity: Quat Disinfectant

MSDS Number: 630

Date: 03/12/2009

Supersedes: 2/13/2007

HEALTH: 2

FIRE: 0

REACTIVITY: 0

PROTECTION: B

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Name	CAS Number	PEL	TLV	%
Alkyldimethylbenzyl Ammonium Chloride	68391-01-5	NE	NE	<10
Alkyldimethylethybenzyl Ammonium Chloride	68956-79-6	NE	NE	<10

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:

212° F

Specific Gravity:

0.995 ± 0.005

Vapor Pressure

(mm Hg.): ND

Melting Point:

ND

Vapor Density

(Air = 1): 1

Evaporation

(H₂O = 1):1

Water Solubility:

Complete

pH @ 77°F:

7.5-8.0

VOCgm/L: 0

Appearance and Odor: Clear liquid, Mild odor

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC):

None

% LEL:

ND

% UEL:

ND

Flammable Limits:

ND

Extinguishing Media: Water fog, foam, carbon dioxide or dry chemical

Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and protective clothing.

Unusual Fire and Explosion: Irritating and toxic gases or fumes may be released during a fire. Combustion products are toxic.

SECTION V. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION? Yes EYES? Yes SKIN? Yes INGESTION? Yes

(Acute) Health Hazards:

Eyes: May cause irritation, redness, pain, blurred vision & tissue burns including blindness.

Skin: Corrosive. Causes skin burns. May cause deep ulceration, defatting and scarring.

Ingestion: Relatively low in toxicity, ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death.

Inhalation: Mist or vapors may severely irritate nose, throat and lungs.

(Chronic) Health Hazards: None Known

Signs and Symptoms of Exposure:

Eyes: May cause severe irritation, possibly permanent injury and blindness.

Skin: Redness, pain, burns, skin blistering, defatting

Ingestion: Nausea & vomiting, diarrhea, convulsion

Inhalation: Headache, dizziness and drowsiness.

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

Emergency First Aid Procedures

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advise.

Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advise.

Ingestion: Call poison control center or doctor immediately for treatment advise. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

Note to Physician: Probable mucosa damage may contraindicate the use of gastric lavage.

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER: KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, skin or on clothing. Wear goggles or face shield, rubber gloves and protective clothing. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? No IARC No OSHA REGULATED? No

SECTION VII. REACTIVITY DATA

Stability: Stable Hazardous Polymerization Will Not Occur
Incompatibility (Materials to Avoid): Bleach
Hazardous Decomposition Byproducts: Oxides of carbon and carbon monoxide

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Mop up. Floor will be slippery. Recover as much as possible. Do not dump into sewers, ground or body of water.
Large Spills: Same as small spills. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements, or confined areas. Absorb or cover with dry sand, earth or other non-combustible material and transfer into containers.
Disposal: Dispose of to meet Federal, State & Local Requirements
Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in use.
Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.
Pesticide Storage: Store in a dry place no lower in temperature than 50°F or higher than 120°F.
DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.
CONSULT PRODUCT LABEL FOR ADDITIONAL INFORMATION ON STORAGE AND DISPOSAL.

SECTION IX. CONTROL MEASURES

Respiratory Protection: NIOSH approved, air purifying
Ventilation: Normal indoor
Local Exhaust: Not normally indicated unless mist is generated
Mechanical (General): Not normally indicated unless mist is generated
Protective Gloves: Rubber, vinyl, Impervious
Eye Protection: Face Shield/ Chemical safety goggles
Other Protective Clothing or Equipment: Long pants, sleeves, apron
Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

SECTION X. DOT INFORMATION

Disinfectant, Liquid, Corrosive, n.o.s. (Quaternary Ammonium Compounds), 8, UN1903, PGIII

NOTE: Not DOT regulated in 1 gallon or less

SECTION XI. MISCELLANEOUS INFORMATION

SARA 313: No

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not Available NE - Not Established ND - Not Determined