

MATERIAL SAFETY DATA SHEET

Quaternary Ammonium Chloride

(Dimethyl Ammonium Chloride & Dimethyl Benzyl Ammonium Chloride), 80%

FIRST AID (GET MEDICAL ATTENTION IF SYMPTOMS PERSIST)

EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES
SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER
INHALATION: REMOVE FROM EXPOSURE
INGESTION: DILUTE STOMACH CONTENTS WITH MILK OR WATER; DO NOT INDUCE VOMITING;
CONTACT PHYSICIAN IMMEDIATELY

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

PRECAUTIONS: CORROSIVE

CHEMTREC 24-HOUR EMERGENCY HOTLINE: (800) 424-9300

To be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident.

MANUFACTURER

Lonza Incorporated
1717 Route 208
Fair Lawn NJ 07410

PHYSICAL DATA

volatile: 20% (by weight)
flash point: 47°C
appearance: yellow liquid
freezing point: 20°C
pH of 10% solution: 8.5 - 9.0

REACTIVITY

stability: stable
materials to avoid: strong acids, strong oxidizers
conditions to avoid: extremely high temperatures
hazard classification: corrosive

FIRE FIGHTING

special procedures: wear NIOSH-approved self-contained breathing apparatus and full protective clothing
extinguishing media: dry chemical, alcohol foam, carbon dioxide, water
combustion products: amines, ammonia, hydrogen chloride, organic chlorides
Products of combustion are toxic.
Use water-spray to keep containers cool and to knock down fumes.
Heated solvent vapors can travel to an ignition source and flash back.

PERSONAL PROTECTION

handling / storage: follow good hygiene practices / do not store near water, food or feed
eyes: safety goggles
skin: full work-clothing, impervious gloves
respiratory: if vaporous, use NIOSH-approved respiratory protection
ventilation: none specified by manufacturer

HEALTH HAZARD DATA - HAZARDOUS

route of entry: eyes, skin, ingestion, inhalation
eye contact: direct contact may cause severe damage
skin absorption: prolonged contact may cause severe irritation
ingestion: may cause severe irritation and swelling of mucous membranes; may be fatal
inhalation: vapors may cause irritation and headache
toxicology: LD50 (oral, rat): 366 mg/kg, LD50 (dermal, rabbit): 421 mg/kg

STORAGE & HANDLING

Store in a cool, dry area, away from acids or oxidizers.
Protect from physical damage.
Keep container closed.

SPILLS & DISPOSAL

Floors may be slippery.
Prevent spills and contaminated wash water from entering sewers and bodies of open water.
Contain spills with inert material, such as sand or earth; scoop absorbed material into containers.
Dispose of in accordance with all local, state and federal regulations; incineration is preferred.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.
Measures against circulatory shock, as well as oxygen and measures to support breathing may be needed.
If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbiturate drug.