

EPTAC (70-75 % aqueous solution)**1668**
April 2007CAS No: 3033-77-0
RTECS No: BQ34800002,3-Epoxypropyltrimethylammonium chloride
N,N,N-Trimethyloxiranemethanaminium chloride
Glycidyltrimethylammonium chloride
C₆H₁₄NOCl
Molecular mass: 151.7

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION	Risk of fire and explosion as a result of decomposition when heated.		In case of fire: keep drums, etc., cool by spraying with water.
EXPOSURE	See EFFECTS OF LONG-TERM OR REPEATED EXPOSURE.	AVOID ALL CONTACT!	
Inhalation	Sore throat. Cough.	Closed system and ventilation.	Fresh air, rest.
Skin		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness. Pain. Severe effects.	Safety goggles or face shield.	First rinse with plenty of water (remove contact lenses if easily possible). Refer immediately for medical attention.
Ingestion	Sore throat. Abdominal pain.	Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL

Personal protection: chemical protection suit including self-contained breathing apparatus. Do NOT let this chemical enter the environment. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent and remove to safe place.

PACKAGING & LABELLING

GHS classification
Signal: Danger
Excl mark-Corr-Health haz
Harmful if swallowed
Harmful in contact with skin
Causes serious eye damage
May cause allergic skin reaction
Suspected of causing genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
May cause damage to kidneys through prolonged or repeated exposure if swallowed
Harmful to aquatic life with long lasting effects

EMERGENCY RESPONSE**SAFE STORAGE**

Cool. Store in an area without drain or sewer access.

IMPORTANT DATA

Physical State; Appearance

COLORLESS TO LIGHT YELLOW, CLEAR, ODORLESS LIQUID

Chemical dangers

The substance decomposes under the influence of temperatures above 35! C producing toxic and corrosive fumes with fire or explosion hazard.

Occupational exposure limits

TLV not established.

MAK: skin absorption (H); sensitization of skin (Sh); Carcinogen category: 2 (DFG 2006).

Routes of exposure

The substance can be absorbed into the body in hazardous amounts through the skin, by inhalation of its aerosol, and by ingestion.

Inhalation risk

Evaporation at 20/C is negligible; a harmful concentration of airborne particles can, however, be reached quickly on spraying.

Effects of short-term exposure

The substance is severely irritating to the eyes and the respiratory tract.

Effects of long-term or repeated exposure

Repeated or prolonged contact may cause skin sensitization. The substance may have effects on the kidneys. This substance is probably carcinogenic to humans. Animal tests show that this substance possibly causes toxicity to human reproduction or development.

PHYSICAL PROPERTIES

Density: 1.1 g/cm³

Solubility in water: miscible

Octanol/water partition coefficient as log Pow: < -1.3

ENVIRONMENTAL DATA

The substance is harmful to aquatic organisms. The substance may cause long-term effects in the aquatic environment. It is strongly advised that this substance does not enter the environment.

NOTES

Depending on the degree of exposure, periodic medical examination is suggested.

Do NOT take working clothes home.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information