

CAS No: 60-00-4

RTECS No: AH4025000

UN No:

EC No:

N,N'-1,2-Ethanediybis(N-carboxymethyl)-glycine

Ethylenediaminetetraacetic acid

Edetic acid

 $C_{10}H_{16}N_2O_8 / ((HOOCCH_2)_2NCH_2)_2$

Molecular mass: 292.2

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.		Powder, water spray, foam, carbon dioxide.
EXPLOSION			

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Cough. Sore throat.	Ventilation (not if powder).	Fresh air, rest. Refer for medical attention.
Skin	Redness. Pain.	Protective gloves.	Rinse skin with plenty of water or shower.
Eyes	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Abdominal pain. Burning sensation. Diarrhoea.	Do not eat, drink, or smoke during work.	Rinse mouth. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment (extra personal protection: self-contained breathing apparatus).	Symbol R: S:

EMERGENCY RESPONSE	STORAGE
	Separated from strong oxidants, strong bases, copper and its alloys, nickel.

IMPORTANT DATA**Physical State; Appearance**

CRYSTALS OR WHITE POWDER.

Chemical Dangers

The substance decomposes on heating producing toxic fumes of nitrous oxides. Reacts with strong oxidants, strong bases, copper, copper alloys and nickel.

Occupational Exposure Limits

TLV not established. MAK not established.

Routes of Exposure

The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

Inhalation Risk

Evaporation at 20°C is negligible; a nuisance-causing concentration of airborne particles can, however, be reached quickly.

Effects of Short-term Exposure

The substance irritates the eyes, the skin and the respiratory tract. The substance may cause effects on the kidneys.

PHYSICAL PROPERTIES

Decomposes below boiling point at 150°C
Relative density (water = 1): 0.086

Solubility in water, g/100 ml: 0.05

ENVIRONMENTAL DATA

The substance is harmful to aquatic organisms.

NOTES

Trilon, Titriplex, Versene acid are trade names.

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