

TRIETHOXSILANE

1147

November 2003

CAS No: 998-30-1
RTECS No: VV6682000
UN No: 2929

$C_6H_{16}O_3Si$
Molecular mass: 164.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Flammable.	NO open flames, NO sparks, and NO smoking.	Powder, water spray, foam, carbon dioxide.
EXPLOSION	Above 26°C explosive vapour/air mixtures may be formed.	Above 26°C use a closed system, ventilation, and explosion-proof electrical equipment.	In case of fire: keep drums, etc., cool by spraying with water.

EXPOSURE			
Inhalation	Cough. Sore throat.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness. Pain.	Safety goggles, or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Remove all ignition sources. Collect leaking and spilled liquid in sealable containers as far as possible. Do NOT wash away into sewer. (Extra personal protection: filter respirator for organic gases and vapours.)	UN Hazard Class: 6.1 UN Subsidiary Risks: 3 UN Pack Group: I

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-61GTF1-I	Fireproof. Separated from strong oxidants, strong acids and strong bases.

IMPORTANT DATA**Physical State; Appearance**

COLOURLESS LIQUID

Chemical dangers

Reacts with strong oxidants, strong acids and strong bases.

Occupational exposure limits

TLV not established.

MAK not established.

Routes of exposure

The substance can be absorbed into the body by inhalation of its vapour.

Inhalation risk

No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20°C.

Effects of short-term exposure

The vapour of the substance is irritating to the eyes and the respiratory tract. The substance is severely irritating to the eyes and is mildly irritating to the skin.

PHYSICAL PROPERTIES

Boiling point: 133.5°C

Melting point: -170°C

Density: 0.87 g/cm³

Relative vapour density (air = 1): 5.7

Flash point: 26°C c.c.

ENVIRONMENTAL DATA**NOTES**

Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken.

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