

CYANURIC ACID

1313

October 2006

CAS No: 108-80-5

RTECS No: XZ1800000

sym-Triazine-2,4,6-triol

Isocyanuric acid

1,3,5-Triazine-2,4,6(1H,3H,5H) - trione

 $C_3H_3N_3O_3 / C_3N_3(OH)_3$

Molecular mass: 129.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Gives off irritating or toxic fumes (or gases) in a fire.		Water spray, alcohol-resistant foam, powder, carbon dioxide.
EXPLOSION			In case of fire: keep drums, etc., cool by spraying with water.

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Cough. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest.
Skin		Protective gloves.	Rinse and then wash skin with water and soap.
Eyes	Redness.	Safety spectacles	Rinse with plenty of water (remove contact lenses if easily possible).
Ingestion	Sore throat. Abdominal pain.	Do not eat, drink, or smoke during work.	Rinse mouth.

SPILLAGE DISPOSAL**PACKAGING & LABELLING**

Personal protection: P2 filter respirator for harmful particles.
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place.

EMERGENCY RESPONSE**SAFE STORAGE**

Dry. Well closed. Separated from chlorine.

IPCSInternational
Programme on
Chemical Safety

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SEE IMPORTANT INFORMATION ON THE BACK.

IMPORTANT DATA**Physical State; Appearance**

ODOURLESS WHITE, HYGROSCOPIC CRYSTALLINE POWDER.

Chemical dangers

The substance decomposes on heating > 320 /C producing (highly) toxic fumes including nitrogen oxides and isocyanic acid. Reacts with chlorine causing explosion hazard.

Occupational exposure limits

TLV not established.
MAK not established.

Routes of exposure

The substance can be absorbed into the body by inhalation.

Inhalation risk

A harmful concentration of airborne particles can be reached quickly when dispersed, especially if powdered

Effects of short-term exposure

The substance is mildly irritating to the eyes.

Effects of long-term or repeated exposure

When ingested in large amounts the substance may have effects on the kidneys, resulting in tissue lesions.

PHYSICAL PROPERTIES

Decomposes at 320-360 /C
Density: 2.5 g/cm³
Solubility in water, g/100 ml at 25/C: 0.27

Vapour pressure, Pa at 25/C: <0.005
Octanol/water partition coefficient as log Pow: <0.3

ENVIRONMENTAL DATA**NOTES****ADDITIONAL INFORMATION****LEGAL NOTICE**

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