

THIOACETAMIDE

0579

October 1997

CAS No: 62-55-5
 RTECS No: AC8925000
 EC No: 616-026-00-6

Acetothioamide
 Ethanethioamide
 Acetamide, thio-
 $\text{CH}_3\text{CSNH}_2 / \text{C}_2\text{H}_5\text{NS}$
 Molecular mass: 75.16

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, alcohol-resistant foam, water spray, carbon dioxide.
EXPLOSION			

EXPOSURE	PREVENT DISPERSION OF DUST! AVOID ALL CONTACT!		
Inhalation		Local exhaust.	Fresh air, rest.
Skin		Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes		Safety spectacles.	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
Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Personal protection: complete protective clothing including self-contained breathing apparatus.	T Symbol R: 45-22-36/38-52/53 S: 53-45-61 Note: E Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	SAFE STORAGE
	Separated from food and feedstuffs.

IMPORTANT DATA**Physical State; Appearance**

COLOURLESS CRYSTALS, WITH CHARACTERISTIC ODOUR.

Chemical dangers

The substance decomposes on burning producing toxic fumes (nitrogen oxides and sulfur oxides).

Occupational exposure limits

TLV 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 harmful concentration of airborne particles can, however, be reached quickly on dust forming.

Effects of long-term or repeated exposure

The substance may have effects on the liver, resulting in tissue lesions. This substance is possibly carcinogenic to humans.

PHYSICAL PROPERTIES

Melting point: 113-116°C

Solubility in water: good

Flash point: see Notes

Octanol/water partition coefficient as log Pow: -0.46/-0.36

ENVIRONMENTAL DATA**NOTES**

The substance is combustible but no flash point is available in literature.
Depending on the degree of exposure, periodic medical examination is suggested.
Card has been partly updated in October 2005. See section EU classification.

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