

1-HEXADECANETHIOL

0025
April 2004

CAS No: 2917-26-2

Hexadecyl mercaptan
1-Mercaptohexadecane
Cetyl mercaptan
Hexadecane-1-thiol
 $\text{CH}_3(\text{CH}_2)_{15}\text{SH} / \text{C}_{16}\text{H}_{34}\text{S}$
Molecular mass: 258.5

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Foam, carbon dioxide, powder.
EXPLOSION			

EXPOSURE			
Inhalation	Cough. Headache. Nausea.	Ventilation.	Fresh air, rest.
Skin	Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness.	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	Nausea. Vomiting.	Do not eat, drink, or smoke during work.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Carefully collect remainder.	

EMERGENCY RESPONSE	STORAGE
	Separated from strong oxidants, reducing agents, metals, acids.

IMPORTANT DATA**Physical State; Appearance**

LIQUID, WITH CHARACTERISTIC ODOUR.

Chemical dangers

The substance decomposes on burning producing toxic gases including sulfur oxides. Reacts violently with strong oxidants, acids, reducing agents, metals.

Occupational exposure limits

TLV not established.
MAK not established.

Inhalation risk

A harmful contamination of the air will not or will only very slowly be reached on evaporation of this substance at 20 C

Effects of short-term exposure

The substance is mildly irritating to the eyes, the skin and the respiratory tract.

PHYSICAL PROPERTIES

Melting point: 18 C

Relative density (water = 1): 0.84

Solubility in water: none

Vapour pressure, Pa at 20 C: 10

Relative vapour density (air = 1): 8.9

Relative density of the vapour/air-mixture at 20 C (air = 1): 1.00

Flash point: 135 C o.c.

ENVIRONMENTAL DATA**NOTES**

Auto-ignition temperature is unknown in literature.

Health effects of exposure to the substance have not been investigated adequately.

ADDITIONAL INFORMATION**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible