

CAS No: 759-94-4  
 RTECS No: FA4550000  
 UN No: 2992  
 EC No: 006-030-00-0

S-Ethyl dipropylthiocarbamate  
 Carbamothioic acid, dipropyl-, S-ethyl ester  
 S-Ethyl dipropylcarbamothioate  
 S-Ethyl-N,N-dipropylthiocarbamate  
 $C_9H_{19}NOS$  /  $CH_3CH_2SC(O)N(CH_2CH_2CH_3)_2$   
 Molecular mass: 189.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible. Liquid formulations containing organic solvents may be flammable. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Water spray, foam, powder, carbon dioxide.
<b>EXPLOSION</b>			
<b>EXPOSURE</b>		<b>PREVENT GENERATION OF MISTS! AVOID EXPOSURE OF ADOLESCENTS AND CHILDREN!</b>	
<b>Inhalation</b>	Dizziness. Headache. Nausea.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
<b>Skin</b>	Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
<b>Eyes</b>	Redness.	Safety spectacles 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.
<b>Ingestion</b>	(See Inhalation).	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Rest. Refer for medical attention.
<b>SPILLAGE DISPOSAL</b>		<b>PACKAGING &amp; LABELLING</b>	
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. Do NOT wash away into sewer.		Xn Symbol R: 22 S: (2-)23 UN Hazard Class: 6.1 UN Pack Group: III  Do not transport with food and feedstuffs.	
<b>EMERGENCY RESPONSE</b>		<b>SAFE STORAGE</b>	
Transport Emergency Card: TEC (R)-61GT6-III		Provision to contain effluent from fire extinguishing. Separated from food and feedstuffs. Ventilation along the floor.	

**IMPORTANT DATA****Physical State; Appearance**

COLOURLESS LIQUID, WITH CHARACTERISTIC ODOUR.

**Chemical dangers**

The substance decomposes on heating or on burning producing toxic fumes including nitrogen oxides and sulfur oxides.

**Occupational exposure limits**

TLV not established.

**Routes of exposure**

The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

**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; on spraying or dispersing, however, much faster.

**Effects of short-term exposure**

The substance may cause effects on the central nervous system.

**PHYSICAL PROPERTIES**

Boiling point: 232/C

Relative density (water = 1): 0.95

Solubility in water: none

Vapour pressure, Pa at 25/C: 4.5

Relative vapour density (air = 1): 6.5

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

Flash point: 116/C o.c.

Octanol/water partition coefficient as log Pow: 3.20

**ENVIRONMENTAL DATA**

The substance is harmful to aquatic organisms. This substance does enter the environment under normal use. Great care, however, should be given to avoid any additional release, e.g. through inappropriate disposal.

**NOTES**

If the substance is formulated with solvents also consult the ICSCs of these materials.

Carrier solvents used in commercial formulations may change physical and toxicological properties.

The relation between odour and the occupational exposure limit cannot be indicated.

Alirox, Eptam, Eradicane, Genep, Niptan, Witox are trade names.

Card has been partly updated in October 2005. See section Emergency Response.

**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