

CAS No: 30560-19-1
 RTECS No: TB4760000
 EC No: 015-079-00-7

O,S-Dimethyl acetylphosphoramidothioate
 Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester
 N-(Methoxy(methylthio)phosphinoyl)acetamide
 $C_4H_{10}NO_3PS$
 Molecular mass: 183.2

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Liquid formulations containing organic solvents may be flammable. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST! AVOID EXPOSURE OF ADOLESCENTS AND CHILDREN!	
Inhalation	Pupillary constriction, muscle cramp, excessive salivation. Sweating. Nausea. Dizziness. Laboured breathing. Convulsions.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Half-upright position. Refer for medical attention.
Skin		Protective gloves.	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	Abdominal cramps. Vomiting. Diarrhoea. (See Inhalation).	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Rest. Refer for medical attention.

SPILLAGE DISPOSAL

Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment. (Extra personal protection: P2 filter respirator for harmful particles.)

PACKAGING & LABELLING

Xn Symbol
 R: 22
 S: (2-)36

EMERGENCY RESPONSE**STORAGE**

Separated from food and feedstuffs.

IMPORTANT DATA**Physical State; Appearance**

COLOURLESS CRYSTALS OR WHITE POWDER, WITH CHARACTERISTIC ODOUR.

Chemical dangers

The substance decomposes on heating producing toxic fumes including nitrogen oxides, phosphorous oxides and sulfur oxides.

Occupational exposure limits

TLV not established.
MAK not established.

Routes of exposure

The substance can be absorbed into the body by ingestion and by inhalation of its aerosol.

Inhalation risk

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

Effects of short-term exposure

The substance may cause effects on the nervous system and blood, resulting in cholinesterase inhibition. Medical observation is indicated. The effects may be delayed.

PHYSICAL PROPERTIES

Melting point: 92-93°C

Density: 1.4 g/cm³

Solubility in water, g/100 ml at 20°C: 79

Vapour pressure, Pa at 24°C: 0.0002

Octanol/water partition coefficient as log Pow: -0.9

ENVIRONMENTAL DATA

This substance may be hazardous in the environment; special attention should be given to crustacea, birds, honey bees. 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

Depending on the degree of exposure, periodic medical examination is suggested.
Specific treatment is necessary in case of poisoning with this substance; the appropriate means with instructions must be available.
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.

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