

ESFENVALERATE

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CAS No: 66230-04-4
RTECS No: CY1576367
UN No: 3349
EC No: 650-033-00-5

(S)-alpha-Cyano-3-phenoxybenzyl-(S)-2-(4-chlorophenyl)-3-methylbutyrate
(S)-(R*,R*)-Cyano (3-phenoxyphenyl) methyl-4-chloro-alpha-(1-methylethyl) benzene acetate
(S-(R*,R*))-Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano (3-phenoxyphenyl)methyl ester
(S)-alpha-Cyano-3-phenoxybenzyl-(S)-2-(4-chlorophenyl)isovalerate
S-Fenvalerate
C₂₅H₂₂ClNO₃
Molecular mass: 419.9

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.	Powder, water spray, foam, carbon dioxide.
EXPLOSION			

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Cough. Sore throat. Dizziness. Headache. Nausea.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	Redness.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness. Pain.	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	Abdominal pain. Salivation. Nausea. Vomiting. Headache. Dizziness. Tremors. Weakness. Convulsions.	Do not eat, drink, or smoke during work. Wash hands before eating.	Give a slurry of activated charcoal in water to drink. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
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. Personal protection: P3 filter respirator for toxic particles.	T Symbol N Symbol R: 23/25-43-50/53 S: (1/2-)24-36/37/39-45-60-61 UN Hazard Class: 6.1 UN Pack Group: III Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	SAFE STORAGE
Transport Emergency Card: TEC (R)-61GT7-III.	Provision to contain effluent from fire extinguishing. Separated from food and feedstuffs. Keep in a well-ventilated room.

IMPORTANT DATA**Physical State; Appearance**

COLOURLESS TO WHITE CRYSTALS.

Occupational exposure limitsTLV not established.
MAK 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 spraying or when dispersed, especially if powdered.

Effects of short-term exposure

The substance is mildly irritating to the eyes, is irritating to the skin and the respiratory tract. The substance may cause effects on the nervous system.

Effects of long-term or repeated exposure

Repeated or prolonged contact may cause skin sensitization.

PHYSICAL PROPERTIESMelting point: 59-60°C
Density: 1.2 g/cm³
Solubility in water: noneVapour pressure, Pa at 20°C: negligible
Flash point: 256°C
Octanol/water partition coefficient as log Pow: 6.2**ENVIRONMENTAL DATA**

The substance is very toxic 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

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

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

Do NOT take working clothes home.

The technical product is a brown to yellow liquid, with a melting point between 43-54°C and a boiling point between 151-167°C.

See ICSC 0273 Fenvalerate.

Card has been partly updated in April 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