

FENVALERATE (Technical product)**0273**

October 2005

CAS No: 51630-58-1
 RTECS No: CY1576350
 UN No: 3352

(RS)-alpha-Cyano-3-phenoxybenzyl
 (RS)-2-(4-chlorophenyl)-3-methylbutyrate
 Cyano(3-phenoxyphenyl)methyl
 4-chloro-alpha-(1-methylethyl)benzeneacetate
 $C_{25}H_{22}ClNO_3$
 Molecular mass: 419.9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible. Liquid formulations containing organic solvents may be flammable. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Water, foam, carbon dioxide, powder.
EXPLOSION			
EXPOSURE		PREVENT GENERATION OF MISTS! AVOID EXPOSURE OF ADOLESCENTS AND CHILDREN!	
Inhalation	Burning sensation. Cough. Dizziness. Headache. Nausea.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	Redness. Burning sensation. Numbness. Tingling. Itching.	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. Nausea. Vomiting. Dizziness. Headache. Convulsions.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Refer for medical attention.
SPILLAGE DISPOSAL		PACKAGING & LABELLING	
Personal protection: filter respirator for organic gases and vapours. Do NOT let this chemical enter the environment. 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.		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)-61GT6-III		Store in an area without drain or sewer access. Keep in a well-ventilated room. Separated from strong oxidants, strong bases, food and feedstuffs.	

IPCS

International
 Programme on
 Chemical Safety



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SEE IMPORTANT INFORMATION ON THE BACK.

IMPORTANT DATA**Physical State; Appearance**

YELLOW OR BROWN VISCOUS LIQUID

Chemical dangers

The substance decomposes on heating between 150-300/C producing toxic fumes including hydrogen cyanide, hydrogen chloride. Reacts with strong bases and strong oxidants.

Occupational exposure limits

TLV 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

No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20/C.

Effects of short-term exposure

The substance is irritating to the eyes, 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 PROPERTIES

Decomposes below boiling point
Relative density (water = 1): 1.2
Solubility in water: none

Vapour pressure, Pa at 20/C: negligible
Octanol/water partition coefficient as log Pow: 4.4-6.2

ENVIRONMENTAL DATA

The substance is very toxic to aquatic organisms. This substance may be hazardous in the environment; special attention should be given to 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

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.
Sumicidin, Pydrin, Belmark are trade names.
See also ICSC1516 Esfenvalerate.

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