

d-ALLETHRIN**0213**

March 2001

CAS No: 584-79-2
 RTECS No: GZ1925000
 UN No: 3352
 EC No: 006-025-00-3

(RS)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl
 (1R)-cis-trans-chrysanthemate
 2-Methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl
 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate
 $C_{19}H_{26}O_3$
 Molecular mass: 302.4

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible. Liquid formulations containing organic solvents may be flammable.	NO open flames.	Powder, AFFF, foam, carbon dioxide.
EXPLOSION			In case of fire: keep drums, etc., cool by spraying with water.
EXPOSURE		PREVENT GENERATION OF MISTS!	
Inhalation	Cough.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL

Personal protection: A/P2 filter respirator for organic vapour and harmful dust. 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. Do NOT wash away into sewer.

PACKAGING & LABELLING

Xn Symbol
 N Symbol
 R: 20/22-50/53
 S: (2-)36-60-61
 Note: C
 UN Hazard Class: 6.1
 UN Pack Group: III

Do not transport with food and feedstuffs.

EMERGENCY RESPONSE

Transport Emergency Card: TEC (R)-61GT6-III

SAFE STORAGE

Provision to contain effluent from fire extinguishing. Separated from food and feedstuffs. Keep in a well-ventilated room.

IMPORTANT DATA**Physical State; Appearance**

VISCOUS LIQUID.

Chemical dangers

The substance decomposes on heating above 400/C producing irritating fumes.

Occupational exposure limits

TLV 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.

PHYSICAL PROPERTIES

Relative density (water = 1): 1.01

Solubility in water: none

Flash point: 130/C

Octanol/water partition coefficient as log Pow: 4.78

ENVIRONMENTAL DATA

The substance is very toxic to aquatic organisms. Avoid release to the environment in circumstances different to normal use.

NOTES

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

Pynamin Forte is a trade name.

Also consult publication Health and Safety Guide No. 24 Allethrins, and Environmental Health Criteria No. 87 Allethrins, of IPCS.

Also consult ICSC 0228 (S-Bioallethrin), 0212 (Allethrin), 0227 (Bioallethrin).

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

ADDITIONAL INFORMATION**LEGAL NOTICE**

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