

**ALLETHRIN****0212**

March 2001

CAS No: 584-79-2  
RTECS No: GZ1476000  
UN No: 3352  
EC No: 006-025-00-3

(RS)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl  
(1RS)-cis-trans-chrysanthemate  
2-Methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl  
2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate  
C<sub>19</sub>H<sub>26</sub>O<sub>3</sub>  
Molecular mass: 302.4

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

**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.

**IPCS**

International  
Programme on  
Chemical Safety



Prepared in the context of cooperation between the International Programme on Chemical Safety and the European Commission ©  
IPCS 2005

SEE IMPORTANT INFORMATION ON THE BACK.

**IMPORTANT DATA**

**Physical State; Appearance**  
PALE YELLOW 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**

Boiling point at 0.013 kPa: 140/C  
Melting point: about 4/C  
Relative density (water = 1): 1.01

Solubility in water: none  
Vapour pressure, Pa at 20/C: <10  
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, Pyresin are trade names.  
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), 0213 (d-Allethrin), 0227 (Bioallethrin).  
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