

**RESMETHRIN****0324**

March 2001

**CAS No: 10453-86-8**  
 RTECS No: GZ1310000  
 UN No: 3349  
 EC No: 613-060-00-3

(5-Benzyl-3-furyl)methyl (1RS)-cis-trans-chrysanthemate  
 (5-(Phenylmethyl)-3-furanyl)methyl  
 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate  
 $C_{22}H_{26}O_3$   
 Molecular mass: 338.5

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	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.

EXPOSURE		PREVENT DISPERSION OF DUST!	
<b>Inhalation</b>		Ventilation (not if powder), 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	PACKAGING & LABELLING
Do NOT wash away into sewer. Do NOT let this chemical enter the environment. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place.	Xn Symbol N Symbol R: 22-50/53 S: (2-)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.

**IMPORTANT DATA****Physical State; Appearance**

COLOURLESS WAXY SOLID IN VARIOUS FORMS, WITH CHARACTERISTIC ODOUR.

**Chemical dangers**

The substance decomposes on heating 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 and the skin.

**PHYSICAL PROPERTIES**

Melting point: 43-48/C  
Relative density (water = 1): 0.96  
Solubility in water: none

Vapour pressure, Pa at 20/C: <10  
Octanol/water partition coefficient as log Pow: 3.46

**ENVIRONMENTAL DATA**

The substance is very toxic to aquatic organisms. This substance may be hazardous to 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.  
Chryson, Synthrin, Pynosect are trade names.  
Also consult publication Health and Safety Guide No. 25 Resmethrins, and Environmental Health Criteria No. 92 Resmethrins, of IPCS.  
Also consult ICSC 0229 (Bioresmethrin), 0239 (Cismethrin).  
Card has been partly updated in October 2005. See section Emergency Response.

**ADDITIONAL INFORMATION****LEGAL NOTICE**

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