

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



SAFETY DATA SHEET

Section 1: Chemical Product And Company Identification

Product Name : **Alpha cypermethrin Technical**

IUPAC Name : Race mate comprising (R)- α -cyano-3-phenoxybenzyl (1S, 3S)-3-(2, 2-dichlorovinyl)-2, 2-dimethylcyclopropanecarboxylate and (S)- α -cyano-3-phenoxybenzyl (1R, 3R)-3-(2, 2-dichlorovinyl)-2, 2-dimethylcyclopropanecarboxylate

Mole formula : C₂₂H₁₉Cl₂NO

Mole weight : 416.30

Uses : Insecticide, acaridae

Manufacturer / Supplier : FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102

Section 2: Composition/Information on ingredients

Chemical Name	CAS No	Concentration%
Alpha-cypermethrin	7375-85	97.00 Min.
Other Ingredients		3.00

Section 3: Hazards Identification

Hazards Classification : Hazardous according to the criteria of NOHSC Dangerous goods.

Risk Phrases : R20 Harmful by Inhalation

: R21/22 Harmful in contact with skin if swallowed.

: R65 Harmful-may Cause lung damage if swallowed.

Safety Phrases : **S20/21** when using do not eat or drink/smoke.

S23 Do not breathe spray

S24/25 Avoid contact with skin/eyes

S29/35 Do not empty in to drains/

Dispose of material and container in a safe way.

SUSDP Classification : **S6**

Section 4: first aid measures

Skin contact : Remove contaminated clothing. Wash contaminated skin with soapy

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



water. If skin irritation develops, get medical attention. Wash clothing thoroughly before-use.

Eye contact: Rinse eye(s) with clean running water for 15 mins. Get medical attention.

Ingestion : Rinse mouth. Give water to drink if patient is conscious. DO NOT induce vomiting. If vomiting occur sure patient can breathe, then give water to drink. Get medical attention.

Advice to doctor: No specific antidote is known .Treat symptomatically. Vitamin E Cream has proved useful for cases of skin contact.

Section 5: Fire Fighting Measures

Suitable extinguishing media : Carbon di oxide, dry chemical, foam, water fog.

Unsuitable extinguishing media: Water stream.

Special hazards in fire: Product is flammable. Combustion may release carbon dioxide, nitrogen oxides, and/or chlorine compounds.

Required special protective equipment for fire-fighters: Wear self-contained breathing apparatus if in enclosed space

Hazard chem. code: 2X

Section 6: Accidental Release Measures

Emergency Procedures: Wear protective equipment to prevent skin and eyes being affected .Evacuate unprotected and unnecessary personnel from area of spill. If material is leaking from a container, stop the leak only if this can be done safely. Prevent spillage entering drains or water course.

Methods for containment & Cleanup: Vermiculite, Sand, Soil is a suitable absorbent, especially soil shighin clay. Soil can be used to form bunds to contain spillage. Contaminated soil should be collected for disposal at a suitable and fill. Contaminated area and tools should be washed down with hypo chlorite bleach. Personal protective equipment and clothing should be washed with soapy water.

Section 7: Handling and storage

Handling Procedures: Keep out of reach of children and animals. Keep away from food, drink, and animal feeds tuff .Wear suitable Personal protective Equipment when handling and spraying.

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



Storing Procedures: Store in the original container in a dry, cool, ventilated, LOCKED area. DONOT store in prolonged sunlight. DONOT store with food, seed, or animal feeds tuff.

Section 8: Exposure Controls/ Personal protection

National exposure standards: Not established for alpha-Cypermethrin. The solvent has recommended an occupational exposure limit of 100mg/m³; 17ppm TWA, as total hydrocarbon.

Biological limit values: ADI for alpha-Cypermethrin is 0.05mg/kg/day. NOEL is 4.7 mg/kg/day.

Engineering measures: Use assisted ventilation in enclosed spaces if needed, especially storage areas. **PERSONAL PROTECTION EQUIPMENT**

Eye/face protection: Goggles or glasses to AS1366, AS/NZS1337

Hand/skin protection: Over all, PVC gloves and apron, face shield

Respiratory protection: Should not be necessary under normal conditions. If spray mist may be encountered, a particulate filter to AS/NZS1715 should be worn.

Section 9: Physical and chemical properties

Appearance	:	White to light brown solid.
Odour	:	Mild odour.
pH	:	4.67.
Density	:	1.280(220C)
Boiling Point	:	Decompose before boiling
Melting/Freezing Point	:	<780C
Flashpoint	:	>900C
Flammability	:	Non-Flammable.

Section 10: Stability and Reactivity

Chemical stability	:	Normally stable.
Conditions to avoid	:	Very high or low temperatures.
Materials to avoid	:	Strong oxidizing agents.

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



Hazardous decomposition products : Not known.

Hazardous reactions : Not known .Does not polymerize.

Section 11.Toxicological Information (Technical)

Acute Oral Toxicity : Rat: LD50 :> 400mg/kg

Acute Dermal Toxicity : Rabbit: LD50 :> 2000mg/kg

Acute Inhalation Toxicity : Rat: LC50:2.7mg/l

Skin Irritation : Rabbit: Slightly irritating

Eye Irritation : Rabbit: Slightly irritant

Chronic toxicity :
NOELfordogsis60mg/kgindietfo

r1year (1.5mg/ kg body wt per day).

Delayed effects if any : Not known .Is rapidly excreted from the body.

Section 12: Ecological Information

Environmental precautions:

Aquatic organisms : Highly toxic to fish and crustacean.

Flora : Low toxicity.

Fauna : Low to moderate toxicity.

Soil organisms : Low toxicity to worms or fungi, highly toxic. To insect sand arachnids.

Bees : Highly toxic.

Long term: Not expected.Nativepopulationsarerecorded as recovering rapidly from Spillage by decolonizing from outside areas .Even aquatic areas will recover quickly unless the area is small, and totally damaged.

Ozone effects : Non recorded.

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



Mobility : Not readily leached.

Persistence/degradation : Moderately persistent in soil. Degrades with a half-life measured in weeks to months.

Section 13: Disposal Considerations

Product: Whenever possible, product should be used for its intended purpose, even if reclaimed from spillage (reclaimed product must be uncontaminated).

Containers: Whenever possible, follow directions given on container. If not available, triple or pressure in seplastacor metal containers before disposal. Recycle containers if possible (replace cap and return clean containers to recycler or designated collection point). Treat rinsing as for product above. If not recycling, break, crush or puncture and bury empty container sine local authority and fill. If no land fill is available, bury the containers below 500mm in adisposalpit specifically marked and setup forth is purpose clear of water ways, desirable vegetation and tree roots .Empty container sand product should not be burnt.

Sewage: Do not dispose product or rinsing in to sewage systems or septic tanks.

Section 14: Transport Information

UN Number : 3349

UN proper shipping name : PYRETHROIDPESTICIDE, SOLID, TOXIC

ADG Packing Group : III

Haz chem. code : None.

Section 15: Regulatory Information

Hazard Symbol : The harmful symbol (Xn)

Risk phrases : R10, R20/22, R43R51/53, andR57

Safety Phrases : S1/2, S13, S20/21, S36/37/39, S29/56