

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



Material Safety Data Sheet

1. IDENTIFICATION OF COMPANY & PRODUCT

Product Name : Profenofos 40% + Cypermethrin 4% EC
Chemical Name : **Profenofos:** (RS)-(O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)
Cypermethrin: (RS)- α -cyano-3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-3-(2, 2-dichlorovinyl)-2, 2-dimethylcyclo propane carboxylate
Users : Insecticide
Manufacturer : Cocreate Global Technologies Private Limited

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Sl. No.	Composition	Content
1	Profenofos	40.00%
2	Cypermethrin	4.00%
3	Other Ingredients	66.00%
Total		100.00

3. HEALTH HAZARDS IDENTIFICATION

Ingestion Harmful if swallowed & May cause lung damage
Skin contact Irritating to skin, May cause sensitization by skin contact
Eye contact Risk of serious damage to eyes

4. FIRST AID MEASURES

Eyes Rinse eyes with clean water for several minutes and immediately call a physician.
Skin Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.
Ingestion Repeatedly administer medicinal charcoal in a large quantity of water. NOTE: Never give anything by mouth to an unconscious person. Do not induce vomiting. If medical assistance is not readily available, and poisoning symptoms are severe, vomiting should be induced by tickling the finger on the back of the patient's throat.
Inhalation remove to fresh air.
Note to physician Treat as a cholinesterase inhibitor.

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Antidote Atropine in addition oxime preparation such as toxogon in under medical supervision. Inject 2-4 mg Atropine Sulphate (for children 0.2 to 5 mg) i.v. or i.m. every 5 to 10 minutes until signs of atropinisation occurs. The patient must remain atropinised for a length of time (24 to 48 hours) to prevent subsequent poisoning due to delayed resorptions.

5. FIRE FIGHTING MEASURES

Combustibility yes

Suitable Extinguishing Media Dry chemical extinguisher, foam, carbon dioxide or water spray (Do not use direct jet of water).

Special Hazards during Fire Fighting Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.

Protective Equipment for Fire Fighting Use self-contained breathing apparatus. Wear protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Environmental Protection Measures following Accidents:

Soak up with absorptive material such as sand, soil, diatomaceous earth, etc. Prevent material from spreading, e.g. by damming in with absorptive material. Collect material in specially marked, tightly closing containers.

Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative. Do not contaminate waters and sewers. Keep away from sources of ignition.

7. HANDLING AND STORAGE

Handling information Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Special Instructions for Storage Store the product in closed original containers. Protect from light and humidity. Storage depot protected against fire.

Storage Compatibility with other Products Store separate from food and feed.

Storage Temperature Max. Storage Temperature: 35°C Min. Storage Temperature: -10°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Breathing Protection In case of heavy exposure, wear: Gas mask with universal filter.

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Eye protection Goggles or face-shield

Body Protection Heavy duty cotton or synthetic fabric working clothes (e.g. overalls). Heavy-duty shoes or boots.

Hand Protection Chemical-resistant gloves

Precautionary measures after work Wash thoroughly (shower, bathe, wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Clear liquid
Colour	Light brown to brown
Odour	Garlic like
Flash point	Above 35°C
Density	1.06 - 1.08 g/cm ³ (20°C)
pH	5.0 - 7.0 (1% Emulsion in water)
Miscibility with water	Miscible

10. STABILITY AND REACTIVITY

Chemical Stability Stable under standard conditions.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity LD₅₀ (rats) 800 mg/kg

Acute Dermal Toxicity LD₅₀ (Rabbits) >4000 mg/kg b.w

Acute Inhalation LC₅₀ (rats) : >5000 mg/m³

Eye Irritation Rabbit: Highly irritant to eye

Skin Irritant Rabbit: irritant to skin

Skin sensitization Guinea pig: Non-sensitizer

12. ECOLOGICAL INFORMATION

Very toxic to aquatic organisms. Acute fish toxicity LC₅₀ (96 h): Ca 0.02 mg/l

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Pay attention to protective clothing and measures. Cover up product with absorptive material such as sand, soil, diatomaceous earth, etc. Collect material in

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specially marked, tightly closing containers. Clean dirty areas with water and detergent. Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.

Container disposal method: Dispose of empty containers in an incinerator approved for chemicals. Damaged containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

14. TRANSPORT INFORMATION

Proper Shipping Name : FLAMMABLE LIQUID, N.O.S.
Class : 3
UN No. : 1993
Packing Group : III

15. REGULATORY INFORMATION

Not available.

16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.