

MATERIAL SAFETY DATA SHEET

PROPUNCH 404: PROFENOFOS 40% EC + CYPERMETHRIN 4% E.C.

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND SUPPLIER

PRODUCT NAME : PROPUNCH 404

CHEMICAL NAME : Profenofos: (RS)-(O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate) Uses Manufacturer Address
 Cypermethrin: (RS)- α -cyano-3-phenoxybenzyl (1RS, 3RS; 1RS, 3SR)-3-(2, 2-dichlorovinyl)-2, 2-dimethylcyclo propane carboxylate

RECOMMEDED USE : A liquid insecticide for agricultural use only.

FORMULATION : Emulsifiable Concentrate

CORPORATE ADDRESS : Arbuda Agrochemicals Pvt. Ltd.
 1104, Ruby Crescent Business Boulevard,
 Ashok Chakravarti Road, Kandivali-East,
 Mumbai-400101, Maharashtra, India
 Customer Care No- +91 9076907642
 Email - info@arbudaagrochemicals.com

MANUFACTURER ADDRESS : Arbuda Agrochemicals Pvt Ltd
 Plot No-281-283, GIDC, Taluka –Talod,
 District-Sabarkantha, Gujarat – 383215.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS NO.	Percent or content (w/w)
Profenofos a.i.	41198-08-7	40.00 %
Cypermethrin a.i.	52315-07-8	4.00 %
Other ingredients	---	56.00 %

3. 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.
- 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 sings 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

Precautions in Handling:

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.

Special Precaution: - KEEP AWAY FROM CHILDRENS & ANIMALS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Breathing Protection

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

Eye protection

Goggles or face-shield

Body Protection

Heavy duty cotton or synthetic fabric working clothes (e.g. overalls). Heavyduty 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 PROPERTISE

FORM	:	Clear liquid
COLOUR	:	Light brown to brown
PHYSICAL STATE	:	Liquid
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	Will not occur.
POLYMERIZATION	

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/m ³
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 CONSIDERATION

- 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 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

Rail/Road (RID/ADR)

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

Sea (IMDG – Code)

Proper Shipper Name : FLAMMABLE LIQUID, N.O.S.
 Class : 3.3
 UN No. : 1993
 Packing Group : III

Air (ICAO/IATA)

Proper Shipper Name : FLAMMABLE LIQUID, N.O.S.
 Class : 3.3
 UN No. : 1993
 Packing Group : III

Packing Instructions: Packing instructions on sea: P001 Packing instructions on air: Y309/310

