



CHEMET WETS & FLOWS P. LTD.

AN ISO 9001:2008; ISO 14001:2004; OHSAS 18001:2007 CERTIFIED COMPANY

G-12 Hemkoot Building, B/H LIC Office, Opp. B.M. Institute of Mental Health, Ashram Road, Ahmedabad-380009. Gujarat. INDIA.

Phone : 079-26586091, Fax : 079-26587111 Email : info@chemet.in Website : www.chemet.in

PRODUCT SAFETY DATA SHEET OF PROPOXUR 2 % BAIT

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	NOFLEE 2 %BAIT
Technical Name	PROPOXUR 2 % BAIT
Chemical Family	organophosphates
Supplier	CHEMET WETS & FLOWS P. LTD. 129/C-2, GIDC Ind. Estate, ANKLESHWAR-02 GUJARAT, INDIA
Manufacturer	CHEMET WETS & FLOWS P. LTD. 129/C-2, GIDC Ind. Estate, ANKLESHWAR-02 GUJARAT, INDIA
Emergency Phone No. Fax No	02646-239490 02646-220254
Environmental, Health and Safety Department	02646-239490 02646-220254
E mail Id	chemetank@gmail.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Content %
Propoxur bait	114-26-1	2.0 %

3. HAZARDS IDENTIFICATION

Emergency Overview

Caution keeps out of reach of children. Keep out of reach of domestic animals. Harmful if absorbed through skin. Harmful if inhaled. Moderately irritating to the eyes. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. Wash thoroughly after handling.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.



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Acute toxicity

Slightly toxic after single ingestion. Slightly toxic after short-term skin contact. Slightly toxic after short-term inhalation.

Irritation / corrosion

May cause moderate but temporary irritation to the eyes. May cause slight irritation to the skin.

Sensitization

Skin sensitizing effects were not observed in animal studies.

Signs and symptoms of overexposure

inhibition of cholinesterase weakness, muscular spasms, twitching, headache, tightness in the chest, difficulty breathing, shortness of breath, chest discomfort, disturbance of vision, nonreactive pinpoint pupils, salivation, nausea, vomiting, diarrhea, abdominal cramps, urination, perspiration Risk of decrease in cholinesterase activity. If poisoning is probable, treat the patient immediately. Treatment should be given simultaneously with decontamination procedures in severe cases. Proceed concurrently with Decontamination using proper protective gear; for example, chemical resistant gloves (neoprene or nitride) rather Than cotton or leather gloves.

4. FIRST AID MEASURES

General Advise

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eyes

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, and then continue rinsing.

Skin

Rinse skin immediately with plenty of water for 15 - 20 minutes.

swallowed

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Have person sip a glass of water if able to swallow.

Inhalation

Remove the affected individual into fresh air and keep the person calm.



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Note to physician

Antidote

Administer atropine. Pralidoximc chloride (2-PAM) is antidotal when administered early, and in conjunction with antidote.

Treatment

Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

dry extinguishing media, water spray

Hazards during fire-fighting

carbon monoxide, carbon dioxide, nitrogen dioxide, nitrogen oxide, methyl isocyanine, methylamine, halogenated hydrocarbons, hydrocarbons If product is heated above decomposition temperature, toxic vapors will be released. The substances/groups of Substances mentioned can be released in case of fire.

Protective equipment for fire-fighting

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water /fire water/firefighting water. A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

Cleanup

Dike spillage. Pick up with suitable absorbent material. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.



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7. HANDLING AND STORAGE

Handling

General advice

Recommendations are for manufacturing, commercial blending, and packaging workers. Pesticide applicators & workers must refer to the Product Label and Directions for Use attached to the product. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The substance/ product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapors. Wear suitable personal protective clothing and equipment.

Protection against fire and explosion

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition heat, sparks, open flame. Avoid extreme heat. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

Storage

General advice

Protect containers from physical damage. Store in a cool, dry, well-ventilated area. Avoid all sources of ignition heat, sparks, and open flame.

Storage incompatibility

General advice Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Storage stability

May be kept indefinitely if stored properly. If an expiry date is mentioned on the packaging/label this takes priority over the statements on storage duration in this safety data sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Users of a pesticide product should refer to the product label for personal protective equipment requirements.

Advice on system design

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.



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Personal protective equipment

Respiratory protection

Wear respiratory protection if ventilation is inadequate. Wear a well certified (or equivalent) organic vapor/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full face piece pressure demand self-contained breathing apparatus (SCBA) or a full face piece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS
Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Granules
Odour	phenol-like
Color	tan
pH value	neutral to slightly acidic
Melting point	approx. 87 °C
Bulk density	approx. 480 kg/m ³



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Solubility in water 1.8 g/l

10. STABILITY AND REACTIVITY

Conditions to avoid

Avoid all sources of ignition heat, sparks, and open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. This product may form an explosive mixture if

1. The dust is suspended in the atmosphere as a dust cloud.
2. The concentration of the dust is above the lower explosion limit (LEL).
3. The limiting oxygen concentration (LOC) is exceeded.

Substances to avoid strong oxidizing agents, alkalis

Hazardous reactions The product is chemically stable.

Decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated., Prolonged thermal loading can result in products of degradation being given off.

Thermal decomposition

Possible thermal decomposition products carbon monoxide, carbon dioxide, nitrogen dioxide, nitrogen oxide, methyl isocyanate, methylamine Stable at ambient temperature. If product is heated above decomposition temperature toxic vapors may be released. To avoid thermal decomposition, do not overheat.

Corrosion to metals

Corrosive effects to metal are not anticipated.

11. TOXICO LOGICAL INFORMATION.

Acute Toxicity	Oral	Type of value: LD50 Species: rat Value: 1,795 mg/kg
-----	Inhalation	Type of value: LC50 Species: rat Value: > 0.85 mg/l Exposure time: 4 h
-----	Dermal	Type of value: LD50 Species: rabbit Value: > 2,000 mg/kg
Irritation / corrosion	Skin	Species: rabbit Result: non-irritant



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-----	Eye	Species: rabbit Result: mildly irritating
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Sensitization	----	Species: guinea pig Result: Skin sensitizing effects were not observed in animal studies.
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Genetic toxicity

Information on: Propoxur Results from a number of mutagen city studies with microorganisms, mammalian cell culture and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic.

Carcinogenicity

Probable human carcinogen.

Reproductive toxicity

Information on: Propoxur No reproductive toxic effects reported.

Development

Information on: Propoxur No indications of a developmental toxic / teratogenic effect were seen in animal studies.

12. ECOLOGICAL INFORMATION

Fish toxicity

Information on Acute	Propoxur Oncorhynchus mykiss/LC50 (96 h): 3.7 mg/l
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Aquatic invertebrates

Information on Acute	Propoxur Daphnia magna/EC50 (48 h): 0.15 mg/l
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Aquatic plants

Information on Toxicity to aquatic plants	Propoxur green algae (72 h): 22 mg/l
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13. DISPOSAL CONSIDERATION

Waste disposal of substance



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Pesticide wastes are regulated. Improper disposal of excess pesticide, spray mix or instate is a violation of federal law. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest Regional Office for guidance.

Container disposal

Rinse thoroughly at least three times (triple rinse) in accordance with recommendations. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. TRANSPORT INFORMATION

NDA

15. REGULATORY INFORMATION

NONE.

16. OTHER INFORMATION

NONE.

DISCLAIMER

All reasonable care has been exercised in processing your request for information on the chemical listed in this Material Safety Data Sheet. No warranty is made, either expressed or implied and Perisseuma Projects does not hold itself liable for any injury, illness, loss or misinterpretation arising from the use of this data. CHEMET WETS & FLOWS P.LTD makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.

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