

Version: 1.0 Issue date: June 1, 2023

MATERIAL SAFETY DATA SHEET OF

NAPROPAMIDE 96% TC

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd

Street address: No. 1611, North Sichuan Road, Hongkou, Shanghai R.P. China

Tel: + 86 21 63065878

Fax: + 86 21 63065878

Product name: Napropamide 96% TC

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO	PROPORTION
Napropamide	15299 - 99 - 7	96% min.
others	Not available	Up to 100%

Other ingredients determined not to be hazardous

3. HAZARDS IDENTIFICATION

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 2

OSHA defined hazards Not classified.

Label elements



Signal word None.

Hazard statement Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Avoid release to the environment.



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Response Collect spillage.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information Not applicable.

4. FIRST AID MEASURES

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Advice to Doctor: No specific antidote and treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

Use water spray to cool unopened containers.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.



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6. ACCIDENT RELEASE MEASURES

Clean up small spills immediately, use proper personal protection. Absorb spill with absorbent material such as pet litter. After removal, flush contaminated area thoroughly with water containing a strong detergent. Sweep up and place in a chemical container. Seal the container and handle in an approved manner. Keep spills out of streams and domestic water supplies. Dike to prevent contamination of local water sources. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. Dispose of all waste and rinsate in the appropriate manner.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering control: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye protection: Protective eyewear (e.g., goggles or full-face shield).

Skin protection: Coveralls over long- or short-sleeved shirt and long or short pants, chemical-resistant footwear plus socks and head covering (for overhead exposure). Chemical-resistant apron when cleaning equipment, mixing or loading.

Hand protection: Chemical-resistant gloves, such as barrier laminate or butyl rubber ≥ 14 mils.

Respirator requirement: In areas with inadequate ventilation a approved chemical cartridge respirator with organic vapor cartridges and pesticide pre-cartridges or a self-contained breathing apparatus may be required when working with this product.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow to light brown solid

Odour: No specific odor

pH: 6.0-8.0

Density: approx. 1.18

Solubility: In water 7.4 mg/l (25 ° C).

10. STABILITY AND REACTIVITY

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral Acute oral LD50 for male rats >5000 mg tech./kg, female rats 4680 mg/kg. Skin and eye Acute percutaneous LD50 for rabbits >4640, guinea pigs >2000 mg/kg. Moderate eye irritant; not a skin irritant (rabbits). Not a skin sensitizer (guinea pigs). Inhalation LC50 (4 h) for rats >5 mg/l.

CHRONIC TOXICITY

NOEL (2 y) for rats 30 mg/kg b.w. daily; (90 d) for dogs 40 mg/kg b.w. daily.

Developmental toxicity

NOEL for rats and rabbits 1000 mg/kg b.w.. daily; multi-generation study for rats 30 mg/kg b.w.. daily.

Other

Negative genotoxicity. Not oncogenic.



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12. ECOLOGICAL INFORMATION

ECOLOGICAL EFFECTS (Abamectin):

Birds Acute oral LD50 for bobwhite quail >2250 mg/kg.

Fish LC50 (96 h) for bluegill sunfish 13 – 15, rainbow trout 9.4, goldfish >10 mg/l.

Daphnia EC50 (48 h) 24 mg/l.

Algae EC50 (96 h) for Chlorella vulgaris 4.5 mg/l.

Bees LD50 >100 µg/bee.

Worms LC50 >799 mg/kg soil.

Other beneficial spp. No mortality with Pterostichus melanarius or lycosid spiders at 1.24 kg/ha.

13. DISPOSAL CONSIDERATION

PRODUCT DISPOSAL: Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. Ensure that the disposal is in compliance with federal requirements and state or local regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose of in an incinerator or landfill approved for pesticide containers.

14. TRANSPORT INFORMATION

UN Number: 3077

UN Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Napropamide)

Transport hazard class: 9

Packing group: III

15. REGULATORY INFORMATION

Follow local, international laws and regulations.



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16. OTHER INFORMATION

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This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.

--END OF MSDS --