



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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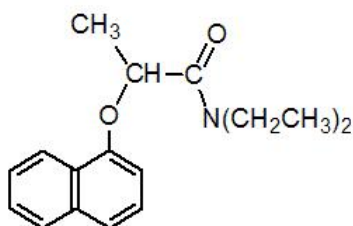
1. Chemical Product Identification

Common Name: Napropamide 50% WP

Molecular Formula: C₁₇H₂₁NO₂

Molecular Weight: 271.36

Structural Formula:



Chemical Name: (*RS*)-*N,N*-diethyl-2-(1-naphthyloxy)propionamide

Form: Powder

Color: Gray white

CAS No.: 15299-99-7

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Napropamide	15299-99-7	50
Other ingredients	---	50

3. Hazards Identification

Hazard statements:

H411: Toxic to aquatic life with long lasting effects.



Precautionary Statements:

P102: Keep out of reach of children.

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/ container in accordance with national regulation.

P270: Do not eat, drink or smoke when using this product.

EU Specific Hazard Statements:

EUH210: Safety data sheet available on request.

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

4. First Aid Measures

General advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.

Skin contact: Wash skin with soap and water. Remove and wash contaminated clothing before re-use.

Ingestion: Rinse mouth with water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

5. Fire-Fighting Measures

Extinguishing Media: Water spray Dry chemical Foam Carbon dioxide (CO₂).

Fire/Explosion Hazard: Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous combustion products: No information available.

6. Accidental Release Measures

Personal Precautions: Avoid contact with the skin and the eyes. Use personal protective equipment.

Environmental precautions: Consult a regulatory specialist to determine appropriate state or



local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Methods for Clean-Up: Prevent product from entering drains. Sweep up and shovel into suitable containers for disposal.

7. Handling And Storage

Handling: Keep in a well-ventilated place. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Keep out of reach of children. Remove and wash contaminated clothing before re-use.

Storage: Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye protection: Safety glasses with side-shields.

Skin protection: Long sleeved clothing.

Hand protection: Protective gloves.

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

9. Physical and Chemical Properties

Appearance: Gray white powder

pH: 6.0-8.0

Moisture water: $\leq 3.0\%$

Suspensibility: $\geq 70\%$

Wetting time: $\leq 120\text{s}$

Wet sieve (44 μm): $\geq 96\%$

10. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Conditions to avoid: No information available.



Incompatible materials: Oxidizers.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours.

11. Toxicological Information

Acute oral LD50 for rat: >4680 a.i.mg/kg

Acute dermal LD50 for rat: >2000 a.i.mg/kg

Inhalation LC50 (4 h) for rat: >4.8 a.i.mg/L.

Skin irritation: Non-irritating to skin (rabbits)

Eye irritation: Moderately irritating to eyes (rabbits)

Skin sensitization: Not a skin sensitiser (guinea pigs).

12. Ecological And Ecotoxicological Information

Effect on birds: low toxicity to birds, acute oral LD50 for Bobwhites quail is >2250 a.i.mg/kg.

Effect on fish: moderate toxicity to fish, acute 96 hour LC50 for Rainbow trout is 6.6 a.i.mg/L.

Effect on aquatic invertebrates: moderate toxicity to aquatic invertebrates, acute 48 hour EC50 for Daphnia magna is 14.3 a.i.mg/L.

Effect on algae: moderate toxicity to algae, acute 72 hour EC50 for Pseudokirchneriella subcapitata is 3.4 a.i.mg/L.

Effect on honeybees: low toxicity to honeybees, contact acute 48 hour LD50 is >100 a.i.µg/bee, oral acute 48 hour LD50 is >100 a.i.µg/bee.

Effect on earthworms: moderate toxicity to earthworms, acute 14 day LC50 is 282 a.i.mg/kg.

13. Disposal Considerations

Waste Disposal Method: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative.

Contaminated Packaging: Non refillable container. Do not reuse this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities,



by burning. If burned, stay out of smoke.

14. Transport Information

Not applicable.

15. Regulatory Information

Not applicable.

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.