**MATERIAL SAFETY DATA SHEET**
NIMROD 25 EC**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product name : NIMROD 25 EC
Chemical name of active ingredient(s) : Bupirimate.
Code no. : R-10828.G (730206)
Manufacturer : Makhteshim Chemical Works, Ltd.
P.O.B. 60, Beer Sheva 84100, Israel.
Fax no.: 972-8-6296848-(364)
Emergency telephone number : 972-3-6106666
Subscription no.: 36789 (MAKHTESHIM)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation.

Information on hazardous ingredients *

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Bupirimate	41483-43-6	250 g/l	255-391-2	Xi, N	R43-51/53
Kerosene	64742-47-8	100 g/l	265-149-8	Xn	R65
n-Butanol	71-36-3	300 g/l	200-751-6	Xn	R10-22-37/38-41-67
Solvesso 150	64742-94-5	Approx. 200 g/l	265-198-5	Xn	R65

* *Occupational Exposure Limit(s), if available, are listed in section 8*

3. HAZARDS IDENTIFICATION

Physical/chemical hazards : Flammable.
Human health hazards : Irritating to skin.
Environmental hazards : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES**Effects and symptoms****First-aid measures**

Inhalation : Remove victim to fresh air. Keep victim warm and at rest. Consult a doctor in the event of any complaints.
Ingestion : Wash out mouth with water. Do not induce vomiting. Immediately consult a doctor.
Skin contact : Remove contaminated clothing. Wash off with plenty of water and soap. Consult a doctor in the event of any complaints.
Eye contact : Immediately wash out with plenty of water with the eyelid held wide open, for at least 15 minutes. Immediately consult an eye specialist.
Notes to a physician : Treat symptomatically and give supportive therapy; administer activated charcoal.

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5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Flammable.
In case of a small fire: foam, dry chemical, or carbon dioxide.
In case of a large fire: water spray, fog or alcohol resistant foam.
- Special fire-fighting procedures** : Fight fires from a protected location. Dike fire control water for later disposal.
- Hazardous thermal (de)composition products** : Emits toxic and irritating fumes: CO, CO₂, NO_x, SO_x.
- Protection of fire-fighters** : Wear suitable protective clothing. Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear suitable protective clothing and chemical resistant gloves. Wear eye/face protection. Respiratory protection for large spills.
- Environmental precautions** : Do not discharge into drains or the environment. If the product has contaminated surface water, inform the appropriate authorities. Dispose of this material and its container at hazardous or special waste collection point.
- Methods for cleaning up** : Absorb in sand or other inert material. Use appropriate containment to avoid environmental contamination.
In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal.

7. HANDLING AND STORAGE

- Handling** : Avoid contact with skin and eyes. Do not breathe fumes/spray mist. When using do not eat, drink or smoke. Wash hands after working with the product.
- Storage** : Keep only in the original container. Keep container tightly closed. Keep in a cool, dry, well ventilated place away from sources of ignition and heat. Keep away from food, drink and animal feedingstuffs. Protect from frost.
- Packaging materials
- Suitable** : Metal drums or Coextruded polyethylene bottles.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures** : Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
- Hygiene measures** : Wash hands thoroughly after handling. Wash clothing separately before re-use.
- Occupational Exposure Limits**
- Common name : Solvesso 150
- TLV (USA)** : Not available.
OEL = 50 ppm.

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Common name : Bupirimate
: 8 hour TWA 10 mg/m³.

Common name : n-Butanol
: 15 minute STEL 50 ppm
154 mg/m³

Personal protective equipment

Respiratory system : During spraying wear suitable respiratory equipment.
Skin and body : Wear suitable protective clothing and chemical resistant boots.
Hands : Wear suitable gloves.
Eyes : Safety goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Clear Liquid.
Colour : Amber/orange.
Odour : Aromatic.
Boiling point : 128° C
Density : 0.92 g/cm³.
Flash point : 38°C.
Explosion properties : Not applicable.
Oxidation properties : Not applicable.

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.
Hazardous reactions : None known.
Hazardous decomposition products : Emits toxic and irritating fumes : CO, CO₂, NO_x, SO_x.

11. TOXICOLOGICAL INFORMATION

Acute toxicity - Oral : LD₅₀ > 4000 mg/kg (rat).
Acute toxicity - Dermal : LD₅₀ > 3000 ml/kg (rat).
Acute toxicity - Inhalation : Unlikely to cause harmful effects under normal conditions of handling and use.
Skin irritation : Irritating to skin (rabbit).
Eye irritation : Not irritating (rabbit).
Sensitization : Guinea pig maximization test: Non sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity : Birds: LD₅₀ > 5000 mg/kg (quail) - Bupirimate Technical.
 Fish: LC₅₀ = 1.8 mg/l, 96 hours (rainbow trout).
 Daphnia: LC₅₀ = 11.9 mg/l, 48 hours.
 Algae: EC₅₀ = 0.8 mg/l, 96 hours.
 Bees: Contact LD₅₀ > 100 ug/bee.
 Oral LD₅₀ > 105.8 ug/bee.

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13. DISPOSAL CONSIDERATIONS

Methods of disposal : Disposal according to the local legislation.

14. TRANSPORT INFORMATION

International transport regulations

UN number : 1993

Land - Road/Railway

Proper shipping name : Flammable liquid, N.O.S., (Contains aliphatic alcohols and benzenoid hydrocarbons).

ADR/RID Class : 3

ADR/RID Item number : 31^o(c)

Packing group : III

Hazard Identification Number : 30

Inland waterways

Sea

Proper shipping name : Flammable liquid, N.O.S., (Contains aliphatic alcohols and benzenoid hydrocarbons).

IMDG Class : 3.3 Marine pollutant

IMDG Page number : 3345

Packing group : III

Emergency Schedules (EmS) : 3-07

Air

Proper shipping name : Flammable liquid, N.O.S., (Contains aliphatic alcohols and benzenoid hydrocarbons).

UN/ID Number : 1993

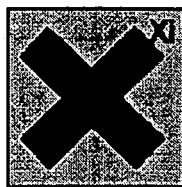
National transport regulations

No additional national transport regulations are known to the supplier

15. REGULATORY INFORMATION

Classification : This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations:

Hazard symbol(s) : Xi, N



IRRITANT (Xi)



DANGEROUS FOR THE ENVIRONMENT

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Risk phrases : R10: Flammable.
R38: Irritating to skin.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S13: Keep away from food, drink and animal feedingstuffs.
S20/21: When using do not eat, drink or smoke.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye/face protection.

16. OTHER INFORMATION

Recommended use : Fungicide.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

HISTORY

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