



JAICO R.D.P. NV

MSDS
Safety Data Sheet

Date / revised on : 02/12/11

Version 2

Date / revised on :

Product : Mosquito Milk 50% DEET Spray

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1. Identification of the substance/preparation and company

Product Name:

Mosquito Milk 50% DEET Spray, Insect repellent for human use.

Company :

JAICO R.D.P. NV
Nijverheidslaan 1545
B-3660 Opglabbeek
BELGIUM
Tel.: +32 89 85 77 67
Fax: +32 89 85 23 64

Emergency information:

Tel.: +32 89 85 77 67 (Jaico R.D.P.)
Tel.: +32 70 245 245 (Anti-Poison Centre)

2. Composition and information on ingredients

Chemical description: multi-component mixture of organic materials

Main ingredients:

Substance	% (w/w)	CAS number	Classification	Einecs/Elincs	Exposure limits
N,N-Diethyl-3-Methylbenzamide (N,N'-Diethyl-m-Toluamide)	50.00	134-62-3	GHS07, Warning H302, H315, H319, H412 Xn Harmful R22, R36/38, R52/53	205-149-7	No data
Ethanol (alcohol denat)	37.77	64-17-5	GHS02, Danger H225 F Highly flammable R11	200-578-6	1000 ppm TWA

The other ingredients are harmless and/or present in a concentration < 1%.



3. Hazards identification

Specific hazards for human health and environment:

This product is classified as flammable. May cause an allergic reaction

This product has no explosive and no oxidizing properties.

Potential Health Effects:

Eyes : direct contact with product may result in eye irritation.

Skin : avoid contact with open wounds, abraded skin and mucous membranes.

Ingestion : not harmful if swallowed.

Inhalation : vapour may be harmful if inhaled.

Chronic (carcinogen): none of the components in this chemical are listed by IARC,

NTP, or OSHA as carcinogens.

Teratogen: not listed

Mutagen: not listed

4. First aid measures

After ingestion : Drink 1 or 2 glasses of water. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention if necessary.

After contact with eyes: Rinse immediately with plenty of water during 15 minutes. If irritation persists, consult a physician.

After contact with open wounds: Wash with plenty of water. If irritation persists, consult a physician.

5. Fire-fighting measures

Suitable extinguishing media: Foam, dry chemical, carbon dioxide, water spray.

Combustion products: Combustion will produce carbon monoxide, carbon dioxide and oxides of nitrogen.

Firefighting instructions: wear self-contained breathing apparatus and protective clothing.



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6. Accidental release measures

Personal precautions: In enclosed space, ensure supply of fresh air. Use safety glasses when cleaning up.

Environmental precautions: do not allow entering drains.

Methods for cleaning up/taking up: Adsorb onto sand, earth or a similar adsorbent material. Transfer to a container for disposal.

Dispose of absorbed material in accordance with the regulations.

7. Handling and storage

Handling: Use in well-ventilated areas, preferably outdoor.

Storage: Keep container closed. Store in a cool and dry place away from direct sunlight.

8. Exposure controls/personal protection

The usual precautions for the handling of biocides must be observed.

9. Physical and chemical properties

Appearance: Transparent liquid

Colour: Slightly yellow

Odour: mild, pleasant odour

Relativ Density(²⁰/₁₄): 0.8980 g/ml

pH: 7.0 +/- 1

Flash point: 20 °C

Auto ignition temperature: 394 °C

Explosion limits: considering the molecular structures and the composition of the material, explosive properties are not expected.

10 Stability and reactivity

Hazardous reactions: Stable, no hazardous reactions with proper storage and handling.

Incompatibility: Incompatible with certain compounds, a.o. PVC, ABS, PET, PBT, Viton, Cellulose Acetate, Cellulose Butyrate, Nitrocellulose, Acrylics, Methacrylics,



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Rubber, ethyl Cellulose, Polycarbonate, some Polyesters,...

Hazardous decomposition products: None with proper storage and handling.
Combustion will produce carbon monoxide, carbon dioxide and oxides of nitrogen.

11. Toxicological information

Harmless with proper use.

LD₅₀ (oral): > 2000 mg/kg (rat)

LD₅₀ (dermal): > 2000 mg/kg (rat)

The substance is irritating to the eyes

12. Ecological information

No data on the end product available.

Clogging of ground also of surface-water and groundwater is to avoid.

13. Disposal consideration

Dispose of in accordance with local, state or national regulations.

14. Transport information

Class: 3

Labelling: 3

Classification code: F1

Limited quantities: LQ7

Packaging Group: III

UN-No: 1266

Danger identification: 30

Transport category: 3

15. Regulatory information

This product is classified as a biocide.

Classification of the substance or mixture

Eye Irritation : Category 2B

Skin Irritation : Not classified

Acute oral toxicity : Not classified

Acute dermal toxicity : Not classified

Signal Words : Warning



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GHS02 : Flammable



Category 3

H-Phrases: H 223 : Flammable material H 320 : Causes eye irritation

P-Phrases: P102 : Keep out of reach of children

P264 : Wash hands thoroughly after handling

E.E.C Directives 67/548, 2001/59 and 99/45:

Symbols: F: Flammable



R10 : Flammable

R36 : Irritating to eyes

Remarks: For external use only. Harmful if swallowed. In the unlikely event of any skin reaction, discontinue use. May damage plastics, synthetic fabrics, varnished and painted surfaces.

16. Other information

List relevant danger symbols and H-Phrases chapter 2

GHS02 : Flammable



GHS07 : Harmful



H225 - Highly flammable liquid and vapour

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.



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F: Highly flammable



X_n: Harmful

R11: Highly flammable

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

These data have been based on the current score of knowledge and experience. The Material Data Sheet describes products with a view to the security requirements. These data are no guarantee for the product properties. It applies the obligation of the user to use this product with care and to observe the applying laws and regulations of security.

More information:

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