



JAICO R.D.P. NV

MSDS

Safety Data Sheet (REACH regulation (EC) n° 1907/2006 – amendment n° 453/2010)

Date / revised on : 08/10/2010

Version 2

Date / revised on : 04/08/201

Product : MOSQUITO MILK NATURAL Spray 30% Eucalyptus

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SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : MOSQUITO MILK NATURAL Spray 30% Eucalyptus

Product code : 2001/001ES1600

1.2. Relevant identified uses of the substance or mixture and uses advised against

Insect repellent for human use

1.3. Details of the supplier of the safety data sheet

Registered company name: JAICO RDP N.V

Address : Nijverheidslaan 1545, 3660 Opglabbeek, BELGIUM

Telephone : +32 (0)89 857767 Fax : +32 (0)89 852364

E-mail : info@jaico.be

http://www.jaico.be

1.4. Emergency telephone number : +32 (0)70 245 245.

Association/Organisation : Poisoncentre (www.poisoncentre.be).

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction.

Flammable, Category 3

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

May produce an allergic reaction.

Flammable

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Biocidal mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS02

Signal Word :

WARNING

Additional labeling :

May produce an allergic reaction.



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Hazard statements :

H226 Flammable liquid and vapour.

Precautionary statements - General :

P102 Keep out of reach of children.

P103 Read label before use.

P264 Wash hands thoroughly after handling.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols :



Flammable

Risk phrases :

R10 Flammable.

Safety phrases :

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal foodstuffs.

S20/21 When using do not eat, drink nor smoke

S25 Avoid contact with eyes.

2.3. Other hazards

No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

No substances fulfill the criteria set forth in annex II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Composition :

Substance	% (w/w)	CAS number	Classification	Einecs/Elincs	Exposure limits
Citriodiol (Eucalyptus citriodora oil)	30.00	42822-86-6	Warning H319 Xi Irritant R36	255-953-7	No data



Ethanol (alcohol denat)	48.13	64-17-5	GHS02, Danger H225 F Highly flammable R11	200-578-6	1000 TWA
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SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce vomiting by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of contact with open wounds or damaged skin :

Wash thoroughly with soft, clean water. In the event of an allergic reaction, seek medical attention.

In the event of swallowing :

Drink 1 or 2 glasses of water. If necessary, seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable liquid and vapour.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- foam
- powder, dry chemical
- carbon dioxide (CO₂)
- water spray or mist

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet



5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- oxides of nitrogen (NO_x)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8. In enclosed space, ensure supply of fresh air. Use safety glasses when cleaning up.

For non fire-fighters

Avoid any contact with the eyes.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.



Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Keep out of reach of children. Store in a cool and dry place away from direct sunlight.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

No data available

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

- Physical state : fluid liquid.

- Colour : transparent, slightly yellow



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- Odour : characteristic odour
- Relative Density (²⁰/₄) : no data
- pH : 6.5 +/- 1
- Flash Point : no data
- Auto Ignition Temperature : no data
- Explosion Limits : no data

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

Stable, no hazardous reactions with proper storage and handling.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

None with proper storage and handling.

10.4. Conditions to avoid

Avoid extreme temperatures.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
 - carbon dioxide (CO₂)
 - oxides of nitrogen (NO_x)
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SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May cause eye irritation

Mixture

Acute toxicity :

Oral route : No observed effect.

Species : Rat (recommended by the CLP)

LD50 > 2000 mg/kg

OECD Guideline 423 (Acute Oral toxicityAcute Toxic Class Method)

Dermal route : No observed effect.

Species : Rat (recommended by the CLP)



LD50 > 2000 mg/kg

OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/skin irritation :

Effect observed : Overall irritation score

Average score < 1.5

Species : Rat

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious damage to eyes/eye irritation:

Irritating to eyes

Corneal haze : Average score ≥ 1 but < 3

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Iritis : Average score ≤ 1

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

The effects listed are fully reversible within 7 days of observation.

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK) :

WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :



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Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Class : 3

Labelling : 3

Classification Code : F1

Limited quantities : LQ7

Packaging group : III

UN-N° : 1266

Danger Identification : 30

Transport Category : 3

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Particular provisions :

No data available.

- Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC) : See SECTION 2

SECTION 16 : OTHER INFORMATION

List relevant danger symbols and H-Phrases chapter 3

GHS02 : Flammable



H225 - Highly flammable liquid and vapour

F: Highly flammable



R11: Highly flammable



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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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