



DIE APOTHEKENMARKE

WEPA Apothekenbedarf GmbH & Co KG

MSDS

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

Date / revised on :

Version 1

Date / **revised on** : 05/03/2015

Product : **mosquito** ® Zeckenschutz-spray Protect

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

1.1. Product identifier

Product name : Mosquito Zeckenschutz-spray Protect

Product code : 2001/001PD900

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: WEPA Apothekenbedarf GmbH & Co KG

Address : Am Fichtenstrauch 6 – 10, 56204 Hillscheid, GERMANY

Telephone : +49 (0)2624 107 0 Fax : +49 (0)2624 107 130

E-mail : info@mosquito-parasitenschutz.de

<http://www.mosquito-parasitenschutz.de>

1.4. Emergency telephone number : +49 (0)228 19240

Association/Organisation : Giftzentrale (www.gizbonn.de).

SECTION 2 : HAZARDS IDENTIFICATION

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

Flammable, Category 3

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

Flammable

2.2. Label elements

Biocidal mixture (see section 15). Contains Citral.

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

Hazard pictograms :



GHS02

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.



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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.

S46 In geval van inslikken onmiddellijk een arts raadplegen en verpakking of etiket tonen.

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
1-Piperidinecarboxylic acid, 2-(2-hydroxyethyl)-, 1-methylpropylester (Icaridine)	26.123	119515-38-7	Not hazardous	423-210-8	No data
Ethanol (alcohol denat)	33.50	64-17-5	GHS02, Danger H225 F Highly flammable R11	200-578-6	1000 TWA

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



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In the event of exposure by inhalation :

Supply fresh air

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

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

Wash thoroughly with soft, clean water.

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)

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

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



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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

Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.

Fire prevention :

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke. 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. Keep container tightly closed.

Packaging

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

7.3. Specific end use(s)

No data available.



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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values per NRS ED 984:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
64-17-5	1000	1900	5000	9500	-	84

Exposure limit values (2003-2006):

Switzerland	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temps:	RSB:
64-17-5	960 mg/m3	500 ppm	1920 mg/m3	1000 ppm		
	4x15	-				
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:		
64-17-5	500 ml/m3	960 mg/m3	2(II)	DFG. Y		
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
64-17-5	1000 ppm	-	-	-	-	
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
64-17-5	1000 ppm	-	-	-	-	
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
64-17-5	1000 ppm	-	-	-	-	

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

- Physical state : transparent liquid.
- Colour : pale yellow
- Odour : mild, pleasant odour
- Relative Density ($^{20}_{/4}$) : 0.93-0.98 g/ml
- pH : 6.0 +/- 1
- Flash Point : 31.10°C
- Auto Ignition Temperature : not determined
- Explosion Limits : considering the molecular structures and the composition of the material, explosive properties are not expected.

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.



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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)
-

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 toxicity / Acute 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 : No observations

Species : Rat

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious damage to eyes/eye irritation:

Not irritating

Respiratory or skin sensitisation :

Not sensitising

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

Mixtures



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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 1 (VwVwS vom 17/05/1999, 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 :

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

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR

2007 - IMDG 2006 - ICAO/IATA 2007).

UN1993=FLAMMABLE LIQUID,
N.O.S.

(etha
nol)

ADR/RID Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
3	F1	III	3	30	LQ7	274 330 601 640E



IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.		
	3	-	III	5L	F-E,S-E	223 274 330 944 955		
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note
	3	-	III	309	60L	310	220 L	A3 A148
	3	-	III	Y309	10L	-	-	-

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

More information:

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