

	SAFETY DATA SHEET Compliant with Regulations (CE) n. 1907/2006, (EC) n. 1272/2008 and (EU) n. 918/2016	Edition: 01 Revision: 02 Date: 23/02/2021
	RETTIL RAUS muri	

SECTION 1

IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

Name of the product:	RETTIL RAUS muri
Product code:	REP68 - REP68EP
Company code:	04247470489
Mixture code:	REP68
EC number	NA, it is a mixture
REACH number	NA, it is a mixture
ISS company code:	04247470489
ISS mixture code:	REP 68

1.2 Uso del prodotto

Intended use::	Liquid preparation, to be used on walls, paving stones, walls and vertical surfaces, as a disinfectant for reptiles (e.g. lizards, snakes, geckos).
Uses advised against:	Any other use other than that identified

1.3. Information on the supplier of the safety data sheet

Manufacturer: MONDO VERDE Casa e Giardino S.r.l.
Indirizzo : Viale J. F. Kennedy, 113 - 50038 Scarperia e San Piero (FI)
Telefono : +39 055843191
Fax: +39 0558468235
E-mail: info@mondoverde.it

E-mail address of the person responsible for compiling the Safety Data Sheet: info@mondoverde.it

1.4. Emergency telephone number

Emergency phone number (during office time): +39 0558431935

EUROPEAN POISON CENTERS:

Italy	Tel. +39 63054343
Austria	Tel +43 1 31 00 472
Belgium	Tel +32022649636
Bulgaria	Tel +359 2 9301214
Croatia	Tel +38514686910
Cyprus	Tel +35722405611
Czech Republic	Tel +420 267 082 236
Denmark	Tel +45 72 54 40 00
Estonia	Tel +372 794 3500
Finland	Tel +358 5052 000
France	Tel + 33 3 83 85 21 92
Germany	Tel +49-30-18412-0
Greece	Tel +302106479250
Hungary	Tel +36 (1) 476 1135
Iceland	Tel +354 543 22 22
Ireland	Tel +353 01 8092566

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Latvia	Tel +371 67032600
Liechtenstein	Tel +43 1 406 68 98
Lithuania	Tel +370 70662008
Luxemburg	Tel +320 22649636
Malta	Tel +356 2395 2000
Netherlands	Tel +31 88 75 585 61
Norway	Tel +45 73580500
Poland	Tel +48 42 2538 400
Portugal	Tel 800-250250 - +351213303271
Romania	Tel +40 213183606
Slovakia	Tel +421 2 5465 2307
Slovenia	Tel + 386 1 522 1293
Spain	Tel +34 917689800
Sweden	Tel +46 8 5194 1100

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the mixture

The product is classified as NOT dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP)

Under normal conditions of use, the mixture does not cause adverse effects for humans.

2.2 Label elements

Labeling of the mixture according to Regulation (EC) No. 1272/2008:

GHS pictograms:	-
Warnings:	-
Hazard statements:	
Precautionary advice:	P101- In the event of a doctor's consultation, keep the product container or label available P102 - Keep out of reach of children P103 - Read the label before use P273- Do not release into the environment P501- - Dispose of contents / container to a suitable disposal site according to local laws and national regulations
EUH 208	Contains Camphor oil white and Geraniol (0.2%): may produce an allergic reaction
EUH 210	Safety data sheet available on request

2.3 Other hazards (not decisive for classification)

The mixture contains camphor oil, classified as a skin sensitizer: skin contact with the mixture or inhalation of the vapors / aerosols of the mixture can cause an allergic reaction in sensitive individuals.

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The mixture does not contain substances identified as SVHC (Substances of Very High Concern - Substances of Extremely Concern) pursuant to Regulation (EC) no. 1907/2006 (REACH), in Article 59, paragraph 10.
The mixture does not meet the identification criteria for PBT or vPvB substances, in accordance with Annex XIII of the REACH Regulation.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not relevant information.

3.2 Mixture

Water-based mixture, containing the following components:

Componenti principali:

Name	EC number	CAS number	Conc.% (p/p)	Classification (1272/2008/CE) ^[1]	REACH
Camphor oil white, generic - FEMA 2231	296-431-9	8008-51-3	0.05-0.09	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
Geraniol - FEMA 2507	203-377-1	106-24-1	0.1-0.3	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318	01-21195606 21-44- 0000

^[1] For the meaning of the Hazard Statements: see Section 16

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

<i>Eye:</i>	Wash thoroughly with water. Keep the eyelids open while washing. If irritation occurs, consult a physician.
<i>Skin:</i>	Wash skin with soap and water.
<i>Inhalation:</i>	Bring the person to open air. Consult a physician if adverse symptoms occur.
<i>Ingestion:</i>	Rinse your mouth with water. Drink plenty of water. Consult a physician if adverse symptoms occur.

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4.2 Most important symptoms and effects, both acute and delayed

Direct contact with the eyes can cause irritation and redness.
Repeated or prolonged contact with the skin can cause irritation, with redness and dryness.
The mixture contains camphor oil, classified as a skin sensitizer: skin contact with the mixture or inhalation of the vapors / aerosols of the mixture can cause an allergic reaction in sensitive individuals.

4.3 Indication of any need to immediately consult a doctor and special treatments.

In the event of an accident or discomfort, consult a doctor immediately (if possible show the instructions for use or the safety data sheet)

Special treatments or antidotes: not known.

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Fire Fighting

Suitable extinguishing media: The mixture contains a small amount of combustible substances (about 1%). Use CO₂, foam, chemical powder or water spray depending on the materials involved in the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous Combustion Products: In the event of a fire, the fraction of combustible substances present in the mixture may develop fumes / gases containing dangerous substances, es. COx.

5.3 Recommendations for firefighters.

Recommendations on protection measures to be adopted and Special Protective Devices for firefighters: Wear self-contained breathing apparatus (SCBA), eye and face protective equipment, boots, gloves and coveralls that comply with relevant standards UNI/EN.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

For those who do not intervene directly

Ventilate the area; remove all possible sources of ignition and heat.

For those who intervene directly

Wear appropriate protective equipment (see Section 8) to minimize exposure to the product.

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6.2 Environmental precautions.

In case of accidental release or spillage, prevent the mixture from contaminating waterways, sewers and soil.

6.3 Methods and materials for containment and cleaning up.

Suck up the leaked product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Provide sufficient ventilation of the place affected by the leak. Check for any incompatibilities for the material of the containers in section 7. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4 Reference to other sections.

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling.

Ensure good ventilation of the environment of use. Keep out of reach of children. Keep away from food, feed and drink. During use, place it on heat-resistant surfaces and away from combustible materials.

7.2 Conditions for safe storage, including any incompatibilities.

The product is stable under normal conditions of temperature and pressure. Store in a cool and dry place, at temperatures no higher than 40 ° C, away from heat sources and direct sunlight.

7.3 Specific end uses.

Recommendations for final use as a reptile disaccustomer: avoid contact with eyes and skin; Keep out of reach of children; during use, do not contaminate food, drinks or containers intended to contain them.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters.

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DNEL exposure limit values

Camphor oil white, generic

Industrial worker: 13,010 mg / m³ - Professional worker: N.A. N.A. -

Consumer: 3.205 mg / m³ -

Exposure: Human Inhalation - Frequency: Long term, systemic effects -

Endpoint: Dose toxicity

repeated - Notes: QSAR

Industrial worker: 16.226 mg / kg - Professional worker: N.A. N.A. -

Consumer: 8,113 mg / kg -

Exposure: Human Dermal - Frequency: Long term, systemic effects -

Endpoint: Dose toxicity

repeated - Notes: QSAR

Industrial worker: N.A.N.A. Professional worker: N.A.N.A. Consumer:

185.167 mg / kg -

Exposure: Human Oral - Frequency: Long term, systemic effects - Endpoint:

Dose toxicity

repeated - Notes: QSAR

PNEC exposure limit values

Monitoring procedures:

The measurement of substances in the workplace must be carried out with standardized methods (eg. UNI EN 689: 1997: Atmosphere in the workplace - Guide to the assessment of exposure by inhalation to chemical compounds for the purpose of comparison with the limit values and measurement strategy; UNI EN 482: 2006: Atmospheres in the workplace - General requirements for the performance of procedures for measuring chemical agents) or, in their absence, with appropriate methods.

8.2 Exposure controls.

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust.

For the choice of personal protective equipment, if necessary, seek advice from your chemical suppliers.

Personal protective equipment must bear the CE mark which certifies their compliance with current regulations.

Provide an emergency shower with face and eye basin.

Eye / face protection:

During normal use of the product, no protective measures are required. In case of prolonged contact and handling of large quantities, wear protective goggles (UNI EN 166).

Hand protectors:

During normal use of the product, no protective measures are required. In case of prolonged and repeated contact with the skin and handling of large quantities, wear protective gloves (UNI EN 374).

Respiratory protection:

During normal use of the product, no protective measures are required; in case of handling large quantities and in situations that may involve the formation of vapors / aerosols, wear appropriate filtering facepieces (UNI EN141).

Environmental exposure control:

Prevent the product from reaching surface or groundwater.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Appearance:	liquid
Color:	colorless
Odor:	camphor
pH:	~ 7
Freezing point:	~ 0 ° C
Boiling point:	~ 100 ° C
Density:	1 g / ml
Solubility:	completely miscible in water
Flammability:	Not inflammable
Explosive properties:	Not explosive
Oxidizing properties:	Not oxidizing

9.2 Other information.

Information not available.

SECTION 10 STABILITY AND REACTIVITY
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10.1. Reactivity

The mixture is stable under normal conditions of temperature and pressure.

10.2. Chemical stability

The mixture is stable in normal conditions of temperature and pressure and if stored in closed containers, in a cool and ventilated place.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Condition to avoid

Keep away from heat sources or direct sunlight.

10.5. Materiali incompatibili

Strong acids

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10.6. Hazardous decomposition products

Noone

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Informazioni sugli effetti tossicologici

Toxicological information on components

ATE (mix) oral = 11.111.1 mg / kg ATE (mix) dermal = ∞ ATE (mix) inhal = ∞

(a) acute toxicity: based on available data the classification criteria are not met. (b) skin corrosion / irritation: The product, if carried with erythema, scabs or edema. (c) serious eye damage / irritation: based on available data the classification criteria are not met. (d) respiratory sensitization skin sensitization. (e) germ cell mutagenicity: based on available data the classification criteria are not met. (f) carcinogenicity: based on available data the classification criteria are not met. (g) reproductive toxicity: based on available data the classification criteria are not met. (h) Specific target organ toxicity (STOT) classification are not met. (i) specific target organ toxicity (STOT) repeated exposure: based on available data the classification criteria are not met. (j) aspiration hazard: The product pu

Related to the substances contained:

Camphor oil white, generic: Oral Toxicity (LD50): Oral-Rat 3730.00 mg / Kg (Food and Cosmetics Toxicology, Vol. 13, Pg. 739, 1975). Dermal Toxicity (LD50): Skin-Rabbit > 5000.00 mg / Kg (Food and Cosmetics Tox Inhalation Toxicity (LC50): ND

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Use according to good working practices, avoiding to disperse the product in the environment.
 It can not be
 disposed of as normal urban waste. Dispose of through specialized waste disposal companies.
 Do not use during flowering: the product is toxic to bees.

Highly toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Camphor oil white, generic

Endpoint: LC50 - Specie: Fish, Acute Toxicity Test (OECD 203) - time h: 96 - mg/l: 208.676
Endpoint: EC50 - Specie: Daphnia sp. Acute Immobilisation Test (OECD 202) - time h: 48 - mg/l: 55.311
Endpoint: EC50 - Specie: Freshwater Alga and Cyanobacteria, Growth Inhibition Test (OECD 201) - time h: 72 - mg/l: 41.601

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12.2 Persistence and degradability.

Rapidly degradable (OECD 301): 81% / 28 days

12.3 Bioaccumulation potential.

N.A.

12.4 Soil mobility.

Considering the chemical-physical characteristics of the product, it is expected that the product does not show mobility in the soil.

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

12.6 Other adverse effects.

Not available information.

12.7 Water hazard classes (WGK)

WGK 2: danger to water

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods.

Recycle if possible. Avoid dispersion of residual liquid in packaging. Refer to the community / national / local provisions on waste disposal.

SECTION 14 TRANSPORT INFORMATION

14.1 ONU number

Not applicable.

14.2 UN proper shipping name.

Not applicable.

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14.1 Transport hazard classes.

Not applicable.

14.4. Packing group.

Not applicable.

14.5 Environmental hazards.

Not applicable.

14.6 Special precautions for users.

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

Not relevant information.

SECTION 15 REGULATORY INFORMATION

The other information on the regulation of the mixture that has not already been provided in the safety data sheet is reported in this section.

15.1 Standards and legislation on health, safety and environment specific for the substance or mixture.

Legislative Decree 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances)
Legislative Decree 14/3/2003 n. 65 (Classification, packaging and labeling of dangerous preparations).
Legislative Decree 2/2/2002 n. 25 (Risks deriving from chemical agents during work).
D.M. Work 02/26/2004 (Occupational Exposure Limits);
D.M. 03/04/2007 (Implementation of Directive 2006/8 / EC).
Regulation (EC) n. 1907/2006 (REACH), Regulation (EC) n. 1272/2008 (CLP), Regulation (EC) 790/2009, Legislative Decree 21 September 2005 n. 238 (Seveso Ter Directive)

15.2 Chemical safety assessment.

A chemical safety assessment has not been developed for the mixture.

SECTION 16 OTHER INFORMATION

Revision:

- Edizion n. 01 on 05TH January 2016

Rev 01 on 04th March 2018

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Rev 02 on 23rd February 2021

Edizione n. 01

Bibliographic sources:

- (1) Camphor, RTECS Database. RTECS number: EX1225000.
(2) CAMPHOR - National Library of Medicine HSDB Database.
(3) Camphor oil, Safety Data Sheet of the supplier, Revision n. 3 of 14/10/2015.

Abbreviations and acronyms:

- CAS: Chemical Abstract Service
- CMR: (substances) Carcinogenic, Mutagenic or Toxic for reproduction
- LC₅₀: Average lethal concentration
- CE₅₀: Average effective concentration
- LD₅₀: Average lethal dose

Hazard statements H (Regulation (EC) No. 1272/2008)

Hazard statements list:

NOONE

LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45 / EC and subsequent amendments
2. Directive 67/548 / EEC and subsequent amendments and adjustments

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3. Regulation (EU) 1907/2006 of the European Parliament (REACH)
4. Regulation (EU) 1272/2008 of the European Parliament (CLP)
5. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
6. Regulation (EU) 453/2010 of the European Parliament
7. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
8. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
9. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
10. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
11. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- Niosh - Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA Agency website

Safety data sheet according to the community directive N ° 1907/2006 (modified). The data are based on our current knowledge, however they do not represent any guarantee of the product characteristics and do not justify any contractual legal relationship.

NOTICE TO USERS

This document is intended to provide guidance on proper handling of this product. The product must not be used for purposes other than those indicated, unless adequate information on handling methods has been received. Any other use of the product that does not comply with the instructions in this document or the use of the product in combination with any other product or in any other process, fall under the sole responsibility of the user. The information contained in the document is not to be considered a declaration or a guarantee of merchantability, suitability for a particular purpose or quality. The information contained in this SDS complies with the provisions of Regulation (EU) No. 918/2016.