

Date of issue: 20.06.2018 Replaces Data Sheet of: 15.06.2015
"*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade Name: Trixie Keep Off Spray
Article No.: 2928, 512
Preparation No.: n.av.
Registration No.: N-55303

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

Identified uses: Biocidal product

1.3 Details of the supplier of the safety data sheet**1.3.1 Address of the Company / Supplier:**

Reckhaus GmbH & Co KG, Industriestraße 53, D - 33689 Bielefeld
Telephone: +49-5205-91 49-0, Telefax: +49-5205-91 49-49, E-Mail: info@reckhaus.com

1.3.2 Responsible for the data sheet:

Reckhaus GmbH & Co KG, Industriestraße 53, D - 33689 Bielefeld, info@cosichem.de

1.4 Emergency telephone number

Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
Telephone: +49-5205-91 49-0(8:30 – 16:30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Flam. Liq. 2; H225 / Aquatic Chronic 2; H411

2.2 Label elements

Classification according to 1272/2008/EC: Yes.
Applicable Exemptions: No.
Signal word(s): Danger
Component(s):

Hazard pictogram(s):

**H - Phrases:**

H225: Highly flammable liquid and vapour.
H412: Harmful to aquatic life with long lasting effects.

P - Phrases:

P102: Keep out of reach of children.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/ doctor/...

Additional Markings:

EUH208: Contains Geraniol. May produce an allergic reaction.
Attach tactile warning of danger.

2.3 Other hazards

This mixture contains no substances which are assessed to be PBT or vPvB.

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SECTION 3: Composition/information on ingredients**3.1 Substances**

n.ap.

3.2 Mixtures**Chemical Characterisation:**

Alcoholic mixture

Dangerous Ingredients:

Material	CAS - No.	Index - No.	EC - No.	REACH - No.	m% - range
Ethanol 64-17-5 Flam. Liq. 2; H225		603-002-00-5	200-578-6	01-2119457610-43-xxxx	> 85%
Undecan-2-on 112-12-9 H319 / H315 / H400 / H410		n.av.	203-937-5	n.av.	1 – 2,5%
Geraniol 106-24-1 Skin Irrit. 2; H315 / Skin Sens. 1; H317 / Eye Dam. 1; H318		n.av.	203-377-1	01-2119552430-49-xxxx	0,1 - 1%

Text of H - phrases: see section 16

m% - range: x – y \triangleq x \geq – < y**SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

Remove from danger area and provide for fresh air. In the event of symptoms occurring, seek medical treatment.

4.1.2 Skin Contact:

Wash away with water. In the event of symptoms occurring, seek medical treatment.

4.1.3 Eye Contact:

Flush eyes out immediately with large amounts of water with eye lids lifted. In the event of symptoms occurring, seek medical treatment.

4.1.4 Ingestion:

Do not cause vomiting. Rinse mouth out and drink plenty of water afterwards. In case of swallowing larger quantities consult physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**water spray jet, Foam, dry chemicals, CO₂.**5.1.2 Extinguishing Media to Avoid:**

None.

5.2 Special hazards arising from the substance or mixture

In the case of fire, the following product(s) may form: Organic crackproducts and carbon oxides.

5.3 Advice for firefighters**5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

Cool containers at risk with water spray jet.

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SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
See chapter 8.2.2
Keep away from sources of ignition.
- 6.2 Environmental precautions**
Do not allow to enter drainage / surface-water / ground-water. Inform responsible authorities in the case of accidental release. Take up with suitable absorbent material. Dispose of absorbed material in accordance with the regulations.
- 6.3 Methods and material for containment and cleaning up**
Take up with suitable absorbent material. Dispose of absorbed material in accordance with the regulations.
- 6.4 Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
- 7.1.1 Precautions for Safe Handling:**
Avoid contact with eyes and skin. Do not inhale vapours. Remove contaminated, saturated clothing immediately. Do not eat, drink or smoke during work. Wash hands before breaks and after work.
- 7.1.2 Precautions in Case of Fire and Explosion:**
Keep away from sources of ignition, do not smoke.
- 7.2 Conditions for safe storage, including any incompatibilities**
- 7.2.1 Storage Instructions:**
Floor must be resistant against solvents. Prevent penetrate into the soil surely.
- 7.2.2 Store away from:**
Store away from oxidising agents.
- 7.2.3 Further Information on Storage Conditions:**
Protect from warming up / overheating. Protect from sun.
- 7.3 Specific end use(s)**
n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**
- | Material | Limit Value |
|----------|--------------------------------------|
| Ethanol | AGW: 500 ppm 960 mg/m ³ |
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
Keep container tightly closed. Provide good room ventilation even at ground level (vapours are heavier than air). Close container straight after use or if empty.
- 8.2.2 Individual protection measures**
- 8.2.2a Respiratory Protection:** If ventilation is insufficient, wear respiratory protection Short term: filter apparatus, Filter A
- 8.2.2b Hand Protection:** Protective gloves(Butyl, Permeationszeit > 6 h)
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c Eye Protection:** Goggles
- 8.2.2d Skin Protection:** No.
- 8.2.2 e Further Information:** Observe wearing time limits:
- 8.2.3 Environmental exposure controls:**
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: liquid	Colour: pale yellow	Odour: alcohol-like
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	n.av.	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	> 78, Melting point / Melting range (°C):	n.av.
9.1.4	Flash point (°C):	< 21, closed cup	
9.1.5	Flammability (EEC A10/A13):	No.	
9.1.6	Ignition temperature (°C):	425 (Lösemittel)	
9.1.7	Autoflammability (EEC A16):	None.	
9.1.8	Oxidising properties:	No.	
9.1.9	Explosion hazard:	No.	
9.1.10	Explosion limits (Vol.%) lower:	2 (Lösemittel), upper: 12 (Lösemittel)	
9.1.11	Vapour pressure:	> 53 hPa	
	Vapour density (Air = 1):	Vapours are heavier than air.	
9.1.12	Density (g/ml):	~ 0,79	
9.1.13	Solubility (in Water):	Partially miscible	Soluble in:
9.1.14	Partition coefficient, n-Octanol / Water:	n.ap.	
9.1.15	Viscosity:	n.av.	
9.1.16	Solvent content (m %):	> 90	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity**10.1 Reactivity**

None.

10.2 Chemical stability

Stable at normal temperature.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Protect from warming up / overheating. Protect from sun.

10.5 Incompatible materials

Reactions with strong oxidising agents.

10.6 Hazardous decomposition products

No dangerous decomposition products when properly handled.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute Health Effects:

Inhalation: n.av.

Ingestion: n.av.

Skin Contact: n.av.

Skin corrosion / irritation: May cause skin irritation in susceptible persons.

Serious eye damage / irritation: May cause eye irritation with susceptible persons.

Respiratory or skin sensitisation: Allergic reactions and sensitization are possible.

Germ cell mutagenicity: n.av.

Carcinogenicity: n.av.

Reproductive toxicity: n.av.

STOT-single exposure: n.av.

STOT-repeated exposure: n.av.

Aspiration hazard: n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

None.

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information**12.1 Toxicity**

Toxic to aquatic organisms.

12.2 Persistence and degradability

The organic component of the product is biodegradable.

12.3 Bioaccumulative potential

May cause long-term adverse effects in the aquatic environment.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

This mixture contains no substances which are assessed to be PBT or vPvB.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD5-Value, mg/g: n.av.

12.6.3 AOX-Remarks: Not applicable.

12.6.4 Significant Components: Undecan-2-on

12.6.5 Other adverse effects: None.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

13.1.1 Recommendation: D 10 / R 1

Waste - Code - No.: 16 05 05

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.1.2 Contaminated Packaging

Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Packaging that cannot be cleaned should be disposed of as for product

Safe Handling: As described under Residues. Observe the usual precautionary measures for handling chemicals.

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SECTION 14: Transport information

	ADR	IMDG	IATA
14.1 UN number	1170	1170	1170
14.2 UN proper shipping name	UN 1170 Ethanol solution	Ethanol solution	Ethanol solution
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental hazards		No.	
14.6 Special precautions for user	Transport category: 2 Classification Code: F1 Hazard - No.: 33 LQ: 1 L	F-E, S-D	Packing Instructions (Passenger) 353 Packing Instructions (Cargo) 364
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		None.	

SECTION 15: Regulatory information

151 Safety, health and environmental regulations/legislation specific for the substance or mixture	n.av.
152 Chemical safety assessment :	n.ap.

SECTION 16: Other information**Text of H phases mentioned in Section 3**

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Receipt of Data: 12.06.2015, reck_0294

