

Date of issue: 03.02.2020 Replaces Data Sheet of: 27.07.2015

"\*" 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 Parasitic Pest Spray, 500 ml  
Article No.: 509T, 2923  
Preparation No.: n.av.  
Registration No.: N-86616  
UFI - Code: n.av.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
Identified uses: Biocide
- 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, 33689 Bielefeld, D -  
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, 33689 Bielefeld, info@reckhaus.com
- 1.4 Emergency telephone number  
Emergency - Telephone of Company / Undertaking National Poisons InformationService  
Telephone: +49-5205-9149-0(8:30-16:30) Telephone: +44 121 507 4123

**SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture  
Flam. Liq. 2; H225 / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410

- 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.

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

P - Phrases:

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.

P243: Take action to prevent static discharges.

P273: Avoid release to the environment.

P501: Dispose of contents / container to municipal collection point.

Additional Markings:

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 solution  
 Dangerous Ingredients:

Material CAS - No. Hazard Code(s) / H - phrases	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	> 90%
2-(2-Butoxyethoxy)ethyl-6-propylpiperonylether 51-03-6 Acute Tox. 4; H312 / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410	n.av.	200-076-7	01-2119537431-46-xxxx	0,6%
Tetramethrin (ISO) 7696-12-0 Carc. 2; H351 / Acute Tox. 4; H302 / STOT SE 2; H371 (Nervensystem) (Einatmung) / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410 M = 100	607-727-00-8	231-711-6	n.av.	0,13%

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:

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Consult a physician if necessary.

4.1.2 Skin Contact:

In case of skin contact Wash off immediately with soap and plenty of water. Consult a physician if necessary.

4.1.3 Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary.

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water. If swallowed, do not induce vomiting - seek medical advice.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

5.1 Extinguishing media

5.1.1 Suitable Extinguishing Media:

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

5.1.2 Extinguishing Media to Avoid:

None.

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of: 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:

In the event of fire, cool tanks with water spray.

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**SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures  
See chapter 8.2.2
- 6.2 Environmental precautions  
Do not empty into drains. Local authorities should be advised if significant spillages cannot be contained.
- 6.3 Methods and material for containment and cleaning up  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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:  
Do not breathe vapours/dust. Avoid contact with the skin and the eyes. Take off all contaminated clothing immediately. When using, do not eat, drink or smoke.
- 7.1.2 Precautions in Case of Fire and Explosion:  
Vapours may form explosive mixture with air. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.
- 7.2 Conditions for safe storage, including any incompatibilities
- 7.2.1 Storage Instructions:  
Keep containers tightly closed in a cool, well-ventilated place. Keep in an area equipped with solvent resistant flooring.
- 7.2.2 Store away from:  
Incompatible with oxidizing agents.
- 7.2.3 Further Information on Storage Conditions:  
Conditions to avoid: Extremes of temperature and direct sunlight.
- 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 <sup>3</sup>
- 8.2 Exposure controls
- 8.2.1 Appropriate engineering controls  
Keep container tightly closed. Provide appropriate exhaust ventilation at machinery. Vapours are heavier than air and may spread along floors.
- 8.2.2 Individual protection measures
  - 8.2.2a Respiratory Protection: In case of insufficient ventilation wears suitable respiratory equipment. Filter A
  - 8.2.2b Hand Protection: impervious butyl rubber gloves; Break through time > 6h  
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: safety glasses
  - 8.2.2d Skin Protection: protective suit
  - 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: mild yellow	Odour: alcoholic
			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):	n.ap.	
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 and may spread along floors.	
9.1.12	Density (g/ml):	~ 0,79	
9.1.13	Solubility (in Water):	partly 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 under normal conditions.
10.3	Possibility of hazardous reactions
	No dangerous reaction known under conditions of normal use.
10.4	Conditions to avoid
	Protect from frost, heat and sunlight.
10.5	Incompatible materials
	Incompatible with oxidizing agents.
10.6	Hazardous decomposition products
	No decomposition if stored and applied as directed.

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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: | n.av.  |
| 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  
 Very toxic to aquatic organisms.  
 Piperonylbutoxid: LD<sub>50</sub> (96h) fisch: 0,72 mg/l; LD<sub>50</sub> (48h) Daph. Mag. : 2,1 mg/l,  
 Tetramethrin: LC<sub>50</sub>(fish,96h): 3,7 µl/l
- 12.2 Persistence and degradability  
 The organic ingredients can be biodegraded in a sewage plant after neutralization.
- 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:        |                                |
| 12.6.2 BOD5-Value, mg/g:       | n.av.                          |
| 12.6.3 AOX-Remarks:            | Not applicable.                |
| 12.6.4 Significant Components: | Tetramethrin, Piperonylbutoxid |
| 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.:  |
|                                   | 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.
- 13.2 Contaminated Packaging
- |                        |   |
|------------------------|---|
| 13.2.1 Recommendation: | Wash with suitable cleaner. Otherwise as described under Residues. Offer rinsed packaging material to local recycling facilities. |
| 13.2.2 Safe Handling:  | As described under Residues. Handle in accordance with good industrial hygiene and safety practice.                               |

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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-Lösung & MARINE POLLUTANT (Tetramethrin, Piperonylbutoxid)	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 MA	R POL73/78 and the IBC Code None.	

**SECTION 15: Regulatory information**

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

**SECTION 16: Other information**

Text of H phrases mentioned in Section 3  
 H225: Highly flammable liquid and vapour.  
 H302: Harmful if swallowed.  
 H312: Harmful in contact with skin.  
 H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
 H371: May cause damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
 H400: Very toxic to aquatic life.  
 H410: Very toxic to aquatic life with long lasting effects.

This datasheet has been compiled in accordance with U 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.

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