

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.01.2019

Version number 108

Revision: 10.01.2019

#### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

##### **- 1.1 Product identifier**

- **Trade name** Entschäumer 50

- **CAS Number:**

103818-92-4

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

No further relevant information available.

##### **- Application of the substance / the mixture**

Cleaning agent/ Cleaner

Additive

##### **- 1.3 Details of the supplier of the safety data sheet**

##### **- Manufacturer/Supplier:**

PERKUTE - Maschinenbau GmbH

Düsterbergstr. 10

D-48432 Rheine

Tel. ++ 49 / 59 71 / 80 81 68 - 0

Fax ++ 49 / 59 71 / 80 81 68 - 1

E-Mail: info@perkute.de

- **Informing department:** Product safety department

##### **- 1.4 Emergency telephone number:**

National Poisons Information Service (NPIS) - Emergency call (healthcare professionals): (+44) 844 892 0111 - 0344 892 0111

#### **SECTION 2: Hazards identification**

##### **- 2.1 Classification of the substance or mixture**

##### **- Classification according to Regulation (EC) No 1272/2008**

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

##### **- 2.2 Label elements**

##### **- Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

##### **- Hazard pictograms**



GHS09

##### **- Signal word** Warning

##### **- Hazard statements**

H410 Very toxic to aquatic life with long lasting effects.

##### **- Precautionary statements**

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

##### **- 2.3 Other hazards**

##### **- Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 108

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**Trade name** Entschäumer 50

(Contd. of page 1)

### SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Designation:**  
103818-92-4 alcohols, C12-C14, ethoxylated/propoxylated, methylether
- **Dangerous components:** Void
- **Additional information** For the wording of the listed hazard phrases refer to section 16.
- **Composition/Ingredients**  
Constituents according to EC-Regulation 648/2004:  
> 30 % non-ionic surfactants,

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General advice:** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Wash with water.
- **After eye contact**  
Rinse immediately opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Information for doctor** Symptomatic treatment.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
See section 8.  
Wear self-contained breathing apparatus.
- **Additional information**  
Endangered containers in the surrounding area should be cooled with a water-hose.  
Collect contaminated fire fighting water separately. It must not enter drains.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment and keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 108

Revision: 10.01.2019

Trade name **Entschäumer 50**

(Contd. of page 2)

If large amounts are released, the authorities must be informed.

**- 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

**- 6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep containers tightly sealed.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**  
Observe official regulations on storage and handling of water hazardous substances
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from humidity and keep away from water.
- **Recommended storage temperature:** < +40°C
- **Storage class** 10 (VCI - concept, 2007)
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:** Void
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Keep away from food, beverages and fodder.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Short term filter device:
- **Protection of hands:** Not required.
- **Eye protection:** Tightly sealed safety glasses.
- **Limitation and supervision of exposure into the environment**  
The local and national waste water regulations must be observed.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless

(Contd. on page 4)

— GB —

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.01.2019

Version number 108

Revision: 10.01.2019

Trade name **Entschäumer 50**

(Contd. of page 3)

- <b>Smell:</b>	Characteristic
- <b>pH-value (10 g/l) at 20 °C:</b>	5.0-7.5
- <b>Change in condition</b> <b>Melting point/freezing point:</b> <b>Initial boiling point and boiling range:</b>	Not determined Not determined
- <b>Flash point:</b>	> 100 °C
- <b>Self-inflammability:</b>	Product is not selfigniting.
- <b>Explosive properties:</b>	Product is not potentially explosive
- <b>Density at 70 °C</b>	~ 0.92 g/cm <sup>3</sup>
- <b>Solubility in / Miscibility with</b> <b>Water:</b>	Partly miscible
- <b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** strong oxidizing agents
- **10.6 Hazardous decomposition products:**  
Formation of carbon monoxide and carbon dioxide in case of fire.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** LD50 oral: > 2000 mg/kg rat
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

— GB —

(Contd. on page 5)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 10.01.2019

Version number 108

Revision: 10.01.2019

Trade name **Entschäumer 50**

(Contd. of page 4)

### SECTION 12: Ecological information

#### - 12.1 Toxicity

##### - Aquatic toxicity:

**103818-92-4 alcohols, C12-C14, ethoxylated/propoxylated, methylether**

EC 50 1-10 mg/l (Aquatic invertebrates)

0.1-1.0 mg/l (Algae)

LC 50 0.1-1.0 mg/l (fish)

#### - 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### - 12.3 Bioaccumulative potential

No further relevant information available.

#### - 12.4 Mobility in soil

No further relevant information available.

#### - Ecotoxicological effects:

##### - Remark:

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### - Additional ecological information:

##### - General notes:

Also poisonous for fish and plankton in water bodies.

Water hazard class 2 (Assessment by list): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

#### - 12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

#### - 12.6 Other adverse effects

No further relevant information available.

### SECTION 13: Disposal considerations

#### - 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

##### - Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

If possible, send to be recycled, otherwise burn or deposit in a certified facility.

##### - Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

##### - Uncleaned packagings:

##### - Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

GB

(Contd. on page 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Trade name **Entschäumer 50**

(Contd. of page 5)

#### SECTION 14: Transport information

- 14.1 UN-Number	
- ADR, IMDG, IATA	3082
- 14.2 UN proper shipping name	
- ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alcohols, C12-C14, ethoxylated/propoxylated, methylether)
- IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alcohol, C12-C14, ethoxylated/propoxylated, methylether)
- 14.3 Transport hazard class(es)	
- ADR	
- Class	9 (M6) Miscellaneous dangerous substances and articles.
- Label	9
- IMDG, IATA	
- Class	9 Miscellaneous dangerous substances and articles.
- Label	9
- 14.4 Packing group	
- ADR, IMDG, IATA	III
- 14.5 Environmental hazards:	Product contains environmentally hazardous substances: alcohols, C12-C14, ethoxylated/propoxylated, methylether
- Marine pollutant:	Yes
- Special marking (ADR):	Symbol (fish and tree)
- Special marking (IATA):	Symbol (fish and tree)
- 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
- Kemler Number:	90
- EMS Number:	F-A,S-F
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	LQ7
- Transport category	3
- Tunnel restriction code	E
- UN "Model Regulation":	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alcohols, C12-C14, ethoxylated/propoxylated, methylether), 9, III

— GB —

(Contd. on page 7)



## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 108

Revision: 10.01.2019

Trade name **Entschäumer 50**

(Contd. of page 6)

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS09

- **Signal word** Warning
- **Hazard statements**  
H410 Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
P273 Avoid release to the environment.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Information about limitation of use:**  
Employment restrictions concerning young persons must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.
- **Department issuing data specification sheet:** see item 1: Informing department
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
LEV: Local Exhaust Ventilation  
RPE: Respiratory Protective Equipment  
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
vPvB: very Persistent and very Bioaccumulative  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- **\* Data compared to the previous version altered.**