

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.03.2026

Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

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

- 1.1 Product identifier

- Trade name Perkute Defoamer 50

- Other trade names:

- EINECS Number:

Polymer

- REACH-Registration number 02-2119548485-30

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

- Restrictions on use:

Restrictions on use according to REGULATION (EC) No 1907/2006 ANNEX XVII apply to this product (see section 15).

- Application of the substance / the mixture Cleaning agent / Cleaner

- 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:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

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

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 3 H412 Harmful 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



GHS05

- Signal word Danger

- Hazard statements

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

- Precautionary statements

P273 Avoid release to the environment.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

(Contd. on page 2)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.03.2026

Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

Trade name **Perkute Entschäumer 50**

(Contd. of page 1)

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

- Additional information:

According to the current state of knowledge, no synthetic polymer microparticles > 0.01% are contained.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- **PBT:** Not applicable

- **vPvB:** Not applicable

- **Determination of endocrine-disrupting properties** Not applicable

* SECTION 3: Composition/information on ingredients

- 3.1 Substances

- CAS No. Designation:

fatty alcohol alcoxylate

- Identification no(s):

- **EC number:** Polymer

- SVHC

This preparation does not contain any substances of very high concern (SVHC) in a concentration of ≥ 0.1 % according to Regulation (EC) 1907/2006, Article 57.

- Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants	$\geq 30\%$
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- 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:

If unconscious, position and transport in stable lateral position.

In case of persistent symptoms receive medical treatment.

- After inhalation

In case of unconsciousness bring patient into stable side position for transport.

Supply fresh air; consult doctor in case of symptoms.

- After skin contact

Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

- 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.

- Information for doctor

Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration.

Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.

- 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

(Contd. on page 3)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.03.2026

Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

Trade name **Perkute Entschäumer 50**

(Contd. of page 2)

- **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**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Coordinate fire extinguishing measures with the surroundings.
- **5.2 Special hazards arising from the substance or mixture**
Can be released in case of fire:
carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
See section 8.
Wear self-contained breathing apparatus.
- **Additional information** Cool endangered containers in the vicinity with a water spray jet.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
Put on protective equipment and keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow to enter the ground/soil.
Do not allow to enter drainage system, surface or ground water.
In case of release of larger quantities, inform competent authorities.
- **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 point 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.
Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.
- **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 laws and regulations on the storage and use of substances hazardous to water.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Protect against moisture.
Keep container tightly sealed.
- **Storage class** 10 (VCI - concept, 2007)

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.03.2026

Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

Trade name **Perkute Entschäumer 50**

(Contd. of page 3)

- 7.3 Specific end use(s) No further relevant information available.

* SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:** Not required.- **Additional information:** The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.- **Individual protection measures, such as 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.

Gases, fumes and aerosols should not be inhaled.

- **Breathing equipment:** Respiratory protection in case of release of vapours/aerosols- **Hand protection**

Protective gloves (EN 374).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection** Tightly sealed safety glasses.- **Body protection:**

Standard protective work clothing. Chemical-resistant safety shoes or boots. If skin contact may occur, wear protective clothing impermeable to this substance.

* SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- **Physical state**

Liquid

- **Colour:**

colourless-yellowish

- **Smell:**

Characteristic

- **Odour threshold:**

Not determined

- **Melting point/freezing point:**

~-5 °C

- **Boiling point or initial boiling point and boiling range**

200 °C

- **Flammability**

Not applicable

- **Lower and upper explosion limit**- **Lower:**

Not determined

- **Upper:**

Not determined

- **Flash point:**

>100 °C

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.03.2026

Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

Trade name **Perkute Entschäumer 50**

(Contd. of page 4)

- Auto-ignition temperature:	>200 °C
- Decomposition temperature:	> 300 °C
- pH	~6 (5%) not applicable
- pH-value:	
- Viscosity:	
- Kinematic viscosity	Not determined
- dynamic at 20 °C:	40 mPas
- Solubility	
- Water:	Insoluble
- Partition coefficient n-octanol/water (log value)	Not determined
- Vapour pressure:	Not determined
- Density and/or relative density	
- Density at 20 °C	0,98 g/cm ³
- Relative density	Not determined
- Vapour density	Not determined

- 9.2 Other information

- Appearance:	
- Form:	Fluid
- Important information on protection of health and environment, and on safety.	
- Self-inflammability:	Not determined
- Explosive properties:	Product is not potentially explosive
- Evaporation rate	Not determined

- Information with regard to physical hazard classes

- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

(Contd. on page 6)

— EUE —

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.03.2026

Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

Trade name **Perkute Entschäumer 50**

(Contd. of page 5)

- **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:**
Acids
Alkalis (lyes)
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:

Oral	LD50	>2.000 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **Additional toxicological information:** irritant
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

* SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

EC 50 / 48 h	1-10 mg/l (Daphnia magna)
EC 50 / 96 h	1-10 mg/l (Leuciscus idus)
EC 50 / 72 h	1-10 mg/l (Algae)

- 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.

Biodegradability	>60 % /28d (OECD 301 B)
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- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.03.2026

Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

Trade name **Perkute Entschäumer 50**

(Contd. of page 6)

- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects**- Remark:**

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

Harmful to aquatic life with long lasting effects.

- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):

EC 10 / 0,5 h	>10.000 mg/l (DIN 38412 Teil 27 (Entwurf))
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- Additional ecological information:**- General notes:**

Danger to drinking water if even small quantities leak into soil.

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

Must not reach sewage water or drainage ditch undiluted or unneutralised.

* SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.

- Recommendation

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

Contaminated water to separate by separator and dispose off in line with administrative regulations.

- Waste disposal key number:

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

- Uncleaned packagings: Disposal in accordance with official regulations.**- Recommendation:**

Empty containers completely and send them cleaned for reconditioning or recycling. Dispose of containers only in consultation with local authorities.

L e v e l o p m e n t : After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!

Other containers: Empty completely and clean for reconditioning or reprocessing.

SECTION 14: Transport information

- 14.1 UN number or ID number**- ADR/RID, IMDG, IATA**

Void

- 14.2 UN proper shipping name**- ADR/RID, IMDG, IATA**

Void

- 14.3 Transport hazard class(es)**- ADR/RID, IMDG, IATA****- Class**

Void

- 14.4 Packing group**- ADR/RID, IMDG, IATA**

Void

- 14.5 Environmental hazards:

Not applicable

(Contd. on page 8)

— EUE —

Safety data sheet

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Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

Trade name **Perkute Entschäumer 50**

(Contd. of page 7)

- Marine pollutant:	No
- 14.6 Special precautions for user	Not applicable
- 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
- Transport/Additional information:	Not dangerous according to the above specifications.
- UN "Model Regulation":	Void

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**



GHS05

- **Signal word** Danger
- **Hazard statements**
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P280 Wear eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Substance is not listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
Substance is not listed.
- **REGULATION (EU) 2019/1148**
- **Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
Substance is not listed.
- **National regulations**
- **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57** Substance is not listed.

(Contd. on page 9)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.03.2026

Version number 110.03 (replaces version 110.02)

Revision: 07.11.2025

Trade name **Perkute Entschäumer 50**

(Contd. of page 8)

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2023/707.

- **Registration-Number**

- **Training hints**

Employees must be regularly trained in the safe handling of the products based on the information in the safety data sheet and the local conditions of the workplace. National regulations on the training of employees in the handling of hazardous substances must be observed.

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

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Department issuing data specification sheet:** See section 1.3: Responding area

- **Date of previous version:** 20.02.2024

- **Version number of previous version:** 110.02

- **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 relatif au transport international 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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

ISO: International Organisation for Standardisation

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- *** Data compared to the previous version altered.**