

Safety data sheet

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

Printing date 26.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2025

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

- **1.1 Product identifier**
- **Trade name:** Ameisen-Mittel
- **Authorisation No.:** DE-0015369-18
- **UFI:** GCJ7-AJXH-S109-S8N3
- **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**
Biocide
PT 18
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Detia Freyberg Produktion GmbH
Dr. Werner-Freyberg-Str. 11
D-69514 LAUDENBACH
GERMANY
- **Further information obtainable from:**
Detia Freyberg GmbH - Regulatory Affairs
telephone: +49-6201-708-0
e-mail: sicherheitsdatenblaetter@dd-group.com
- **1.4 Emergency telephone number:**
General emergency number: 112
Medical emergency information in the event of poisoning: Poison Information Center Mainz - Tel.: +49 (0) 613119240 (24/7 advice in German and English)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 GHS09 environment

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 product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS09
- **Signal word** Warning

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- **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 the hazardous waste collection point or an authorised collector for hazardous waste
- **Additional information:**
EUH208 Contains Permethrin. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Permethrin meets the P and T criteria but not the B criteria.
- **vPvB:**
Permethrin does not fulfil the vB criteria, but could be considered as vP as a constituent of permethrin (the cis isomer) slightly exceeds the vP criterion.
- **Determination of endocrine-disrupting properties**
The product does not contain any endocrine disrupting substances.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 52645-53-1	Permethrin	0,5%
EINECS: 258-067-9	 Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=1000);  Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Avoid any unnecessary contact with the product.
- **After inhalation:**
Supply fresh air, contact the poison information center or consult a doctor in case of complaints.
- **After skin contact:**
Wash off immediately with soap and plenty of water. If the problems are persistent, consult a doctor.
- **After eye contact:**
Rinse eyes under running water for several minutes with the eyelid wide open. Remove any contact lenses that may be present and continue rinsing.
Consult a doctor for control and if eye irritation persists.
- **After swallowing:** Contact a poison center / doctor.

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

Gastric or intestinal disorders
Asthma attacks
Skin irritation

· 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:**

Use fire extinguishing methods suitable to surrounding conditions.
Carbon dioxide
Fire-extinguishing powder
Water spray
Foam

· 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

· 5.3 Advice for firefighters

Do not inhale smoke / gases that are generated during a fire. Cool non-burning containers with water and remove them from the fire area if possible.
Collect contaminated extinguishing water separately. It must not enter the sewage system.

· Protective equipment: Wear self-contained respiratory protective device.**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Observe the information on exposure limitation and put on personal protective equipment (Section 8).

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

· 6.3 Methods and material for containment and cleaning up:

When used as granules: Pick up mechanically.
When used as a mixture with water: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· 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 disposal information.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Please observe the regulations of GefStoffV and TRGS 500!

Open and handle receptacle with care.

Advice on general hygiene in the workplace:

Take off contaminated clothing immediately. Wash hands after use. Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment before entering any eating area. Do not store food and drinks with chemicals. Do not use containers for chemicals that are normally intended for holding food. Keep away from food, drink and animal feed. Do not breathe gas / vapor / aerosol. Avoid contact with eyes and skin.

· **Information about fire - and explosion protection:** No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Keep container tightly closed and store in a cool, well-ventilated place.

Keep out of the reach of children and pets.

· **Information about storage in one common storage facility:**

Please observe the regulations of TRGS 510!

Do not store food and drinks with chemicals. Do not use containers for chemicals that are normally intended for holding food. Keep away from food, drink and animal feed.

· **Further information about storage conditions:** None.

· **Storage class:**

10-13

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

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Technical and organizational protective measures are to be used with preference (personal protective equipment must not be a permanent measure).

Wash hands before breaks and at the end of work.

Store protective equipment separately, check it regularly, clean it and replace it if necessary.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

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· Hand protection



Protective gloves according to EN ISO 374-1 at least type B

The selection of a suitable glove does not only depend on the material, but also on other quality features and varies from manufacturer to manufacturer. For more information, contact the seller or a manufacturer of protective gloves.

· Eye/face protection

Not required if used as intended. Wear protective goggles if there is a risk of contact with the eyes.

· Body protection:

Not required for normal use.

Wear long-sleeved work clothes and safety shoes for prolonged exposure.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Solid
· Colour:	Light yellow
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not determined.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH	9,5
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Dynamic:	Not applicable.
· Solubility	
· water:	Soluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density:	0,96 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Particle characteristics	See section 3.

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· 9.2 Other information**· Appearance:****· Form:** Solid**· Important information on protection of health and environment, and on safety.****· Ignition temperature:** Product is not selfigniting.**· Explosive properties:** Not determined.**· Solvent content:****· Solids content:** 100,0 %**· Change in condition****· Evaporation rate** Not applicable.**· 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** This material is not reactive under normal environmental conditions.**· 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:** No further relevant information available.**· 10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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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:**

CAS: 52645-53-1 Permethrin

Oral	LD50	480–554 mg/kg (Rat (Rattus spec.))
Dermal	LD50	>2.000 mg/kg (Rat (Rattus spec.))
Inhalative	LC50/4 h	23,5 mg/l (Rat (Rattus spec.))

· **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.

· **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.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

CAS: 52645-53-1 Permethrin

LC50/ 48h	0,00127 mg/l (Daphnia magna)
LC50/ 96h	0,0051 mg/l (Rainbow trout (Oncorhynchus mykiss))

· **12.2 Persistence and degradability**

DT50

Permethrin: 4.7 ± 0.34 d

· **12.3 Bioaccumulative potential** No further relevant information available.

· **Bioconcentration factor (BCF)**

Permethrin

BCF Fish: 500-570 L/kg

BCF Earthworm: 15.108 L/kg

· **12.4 Mobility in soil** No further relevant information available.

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· 12.5 Results of PBT and vPvB assessment**· PBT:** Permethrin meets the P and T criteria but not the B criteria.**· vPvB:**

Permethrin does not fulfil the vB criteria, but could be considered as vP as a constituent of permethrin (the cis isomer) slightly exceeds the vP criterion.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects**· Remark:** Very toxic for fish**· Additional ecological information:****· General notes:**

Very toxic for aquatic organisms

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Also poisonous for fish and plankton in water bodies.

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

Small amounts that occur in the household can be disposed of at pollutant collection points.

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

· European waste catalogue

The disposal of the contents / container is to be carried out in consultation with the regional disposal company in accordance with official regulations according to the waste code number in accordance with the European waste catalog. Waste codes are not related to the product but to the application.

Product: 200119 * - Pesticides

Container: 150110 * - packaging containing residues of or contaminated by dangerous substances

HP14 | Ecotoxic

· Uncleaned packaging:**· Recommendation:**

Uncontaminated and completely emptied packaging can be recycled.

Treat contaminated packaging like the substance.

SECTION 14: Transport information**· 14.1 UN number or ID number****· ADR, IMDG, IATA**

UN3077

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· 14.2 UN proper shipping name · ADR · IMDG · IATA	UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (permethrin (ISO)) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (permethrin (ISO)), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (permethrin (ISO))
· 14.3 Transport hazard class(es) · ADR, IMDG, IATA  · Class · Label	9 Miscellaneous dangerous substances and articles. 9
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	Yes Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number:	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g 3 (-)
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g

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· **UN "Model Regulation":**

UN 3077 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (PERMETHRIN
(ISO)), 9, III

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category** E1 Hazardous to the Aquatic Environment

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **Regulation (EU) No 649/2012**

CAS: 52645-53-1 | Permethrin

Annex I Part 1

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

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- **Waterhazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Relevant phrases**

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

- **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.

Hazardous to the aquatic environment - short-term (acute) aquatic hazard
Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

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

- **Department issuing SDS:** Regulatory Affairs
- **Contact:** sicherheitsdatenblaetter@dd-group.com
- **Date of previous version:** 22.11.2024
- **Version number of previous version:** 2

- **Abbreviations and acronyms:**

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 Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Sens. 1: Skin sensitisation – Category 1

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.**