

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.12.2023





Version number 1

Revision: 05.12.2023

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

- **1.1 Product identifier**
- **Trade name:** Natural Ungeziefer Spray
- **Registration number** N-107858
- **UFI:** 0Q00-7098-Q00V-4P3T
- **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 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@Detia-Freyberg.de
- **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**
- 
 GHS02 flame
 Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- 
 GHS07
 Eye Irrit. 2 H319 Causes serious eye irritation.
 STOT SE 3 H336 May cause drowsiness or dizziness.
- **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**
- 


 GHS02 GHS07
- **Signal word** Danger

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· Hazard-determining components of labelling:

propan-2-ol

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection / face protection.

P312 Call a POISON CENTER/doctor if you feel unwell.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT:

This mixture does not contain any substances that are considered to be persistent, bioaccumulating or toxic (PBT).

· vPvB:

This mixture does not contain any substances that are considered to be very persistent or very bioaccumulative (vPvB).

· 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: 67-63-0	propan-2-ol	25- \leq 50%
EINECS: 200-661-7	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	

· 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 skin contact: Generally the product does not irritate the skin.

· 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.

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Consult a doctor for control and if eye irritation persists.

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

Coughing
Dizziness

· 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.
CO₂, powder or water spray. Fight larger fires with water spray.
Foam
Dry powder
Carbon dioxide
Water spray

· 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

· 5.3 Advice for firefighters

· 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:

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.

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.

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- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
- **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.
Observe official regulations on storing packagings with pressurised containers.
- **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:**
- **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:**

CAS: 67-63-0 propan-2-ol (>25–≤50%)

AGW (Germany) Long-term value: 500 mg/m³, 200 ppm
2(II);DFG, Y

CAS: 61790-53-2 Diatomaceous earth (Silica-Amorphous) (>2,5–≤10%)

AGW (Germany) Long-term value: 4 E mg/m³
DFG, Y, 1

· **DNELs**

CAS: 67-63-0 propan-2-ol

Oral	DNEL, Verbraucher, systemisch, langfristig	26 mg/kg (not specified)
Dermal	DNEL, Arbeitnehmer, systemisch, langfristig	888 mg/kg (not specified)
Inhalative	DNEL, Arbeitnehmer, systemisch, langfristig	500 mg/m ³ (not specified)
	DNEL, Verbraucher, systemisch, langfristig	89 mg/m ³ (not specified)

· **PNECs**

CAS: 67-63-0 propan-2-ol

PNEC, Süßwasser	140,9 mg/l (not specified)
PNEC, Meerwasser	140,9 mg/l (not specified)
PNEC, Süßwassersediment	552 mg/kg (not specified)
PNEC, Meeressediment	552 mg/kg (not specified)
PNEC, Mikroorganismen in Kläranlagen	2.251 mg/l (not specified)
PNEC, Boden	28 mg/kg (not specified)

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· Ingredients with biological limit values:

CAS: 67-63-0 propan-2-ol (>25–≤50%)

BGW (Germany)	25 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
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	25 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
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· **Regulatory information** BGW (Germany): TRGS 903

· **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.

Immediately remove all soiled and contaminated clothing

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· Hand protection

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



Protective gloves

· Material of gloves

Butyl (EN374)

Neopren/ Polychloropren (EN374)

Nitril (EN 374)

Minimum layer thickness: 0,5 mm

Permeation time (breakthrough time): 480 minutes

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· 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 goggles

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- **Body protection:** Not required for normal use.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Aerosol

· Colour:

Beige

· Odour:

Characteristic

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

Not applicable, as aerosol.

· Flammability

Not applicable.

· Lower and upper explosion limit

· Lower:

2 Vol %

· Upper:

12 Vol %

· Flash point:

Not applicable, as aerosol.

· Decomposition temperature:

Not determined.

· pH

Neutral

· Viscosity:

· Kinematic viscosity

Not determined.

· Dynamic:

Not determined.

· Solubility

· water:

Not miscible or difficult to mix.

· Partition coefficient n-octanol/water (log value)

Not determined.

· Vapour pressure:

Not determined.

· Density and/or relative density

· Density:

Not determined.

· Relative density

Not determined.

· Vapour density

Not determined.

· 9.2 Other information

· Appearance:

· Form:

Aerosol

· Important information on protection of health and environment, and on safety.

· Ignition temperature:

Product is not selfigniting.

· Explosive properties:

Not determined.

· Solvent content:

· Organic solvents:

25–<50 %

· VOC (EC)

25–<50 %

· Change in condition

· Evaporation rate

Not applicable.

· Information with regard to physical hazard classes

· Explosives

Void

· Flammable gases

Void

· Aerosols

Extremely flammable aerosol. Pressurised container: May burst if heated.

· Oxidising gases

Void

· Gases under pressure

Void

· Flammable liquids

Void

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· 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:** Strong acids and strong bases
- **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:**

CAS: 67-63-0 propan-2-ol

Oral	LD50	4.570 mg/kg (Rat (Rattus spec.))
Dermal	LD50	>5.000 mg/kg (Rabbit (Oryctolagus spec.))
Inhalative	LC50/4 h	30 mg/l (Rat (Rattus spec.))

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **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** May cause drowsiness or dizziness.
- **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.

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· 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: 67-63-0 propan-2-ol

LC50/ 48h 13.299 mg/l (Daphnia magna)

LC50/ 96h 9.640 mg/l (Fish spp.)

· 12.2 Persistence and degradability No further relevant information available.

· 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:

This mixture does not contain any substances that are considered to be persistent, bioaccumulating or toxic (PBT).

· vPvB:

This mixture does not contain any substances that are considered to be very persistent or very bioaccumulative (vPvB).

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· 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.

HP3 Flammable

HP4 Irritant - skin irritation and eye damage

HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

UN1950

· 14.2 UN proper shipping name

· ADR

UN1950 AEROSOLS

· IMDG, IATA

AEROSOLS

· 14.3 Transport hazard class(es)

· ADR



· Class

2 5F Gases.

· Label

2.1

· IMDG, IATA



· Class

2 Gases.

· Label

2.1

· 14.4 Packing group

· ADR, IMDG, IATA

not regulated

· 14.5 Environmental hazards:

Not applicable.

· 14.6 Special precautions for user

Warning: Gases.

· Hazard identification number (Kemler code): -

· EMS Number:

F-D,S-U

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

· ADR

· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

· Transport category

3

· Tunnel restriction code

D

· IMDG

· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

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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 P3b FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t

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

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.

Technical instructions (air):

Class	Share in %
NK	50,0

Waterhazard class: Water hazard class 1 (Self-assessment): slightly 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.

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This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· **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.

Aerosols, Section 2.3.1	On basis of test data
Serious eye damage/irritation Specific target organ toxicity (single exposure)	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@detia-freyberg.de

· **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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Aerosol 1: Aerosols – Category 1

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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