

Trade name: Unisol W

Substance number: 71205

Version: 1 / GB

Date revised: 19.05.2023

Replaces Version: - / GB

Print date: 19.05.2023

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

1.1. Product identifier

Unisol W

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

Use of the substance/preparation

Wax-solving additive for cleaning of wax boiling-out units

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Dentamid GmbH

Max-Planck-Straße 31

59423 Unna

Telephone no.

+49 2303 8807-0

Fax no.

+49 2303 8807-29

Information provided

Department Research & Development: Fax: +49 2303 8807-562

by / telephone

E-mail address of

sicherheitsdatenblatt@dreve.com

person responsible

for this SDS

1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2

H319

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H319

Causes serious eye irritation.



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Precautionary statements

P264.1	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/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.
P337+P313	If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients****Natriumbenzoat**

CAS No.	532-32-1			
EINECS no.	208-534-8			
Registration no.	01-2119460683-35			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2		H319	

Alcohols, C10-12, ethoxylated, propoxylated

CAS No.	68154-97-2			
EINECS no.	614-340-8			
Concentration	>= 1	<	3	%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4		H302	
	Eye Dam. 1		H318	

ATE	oral	950	mg/kg
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Terpene, ethoxylated propoxylated

CAS No.	174955-61-4			
EINECS no.	935-142-0			
Concentration	>= 1	<	6,3	%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4		H302	
	Eye Irrit. 2		H319	

ATE	oral	300	mg/kg
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SECTION 4: First aid measures**4.1. Description of first aid measures**



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General information

Remove contaminated clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.



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6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. In case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Perform filling operations only at stations with exhaust ventilation facilities. Provide suitable exhaust ventilation at the processing machines. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Natriumbenzoat

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,1	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	62,5	mg/cm ²

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	



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Concentration	3	mg/m ³
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Predicted No Effect Concentration (PNEC)**Natriumbenzoat**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,13	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,013	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	1,76	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,176	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,06	mg/kg

8.2. Exposure controls**General protective and hygiene measures**

Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

Do not inhale vapours

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Hand protection must comply with EN 374.

Appropriate Material Butyl rubber

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Colour	blue
Odour	characteristic
Melting point	

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Remarks not determined

Freezing point

Remarks not determined

Boiling point or initial boiling point and boiling range

Value 100 °C

Flammability

evaluation not determined

Upper and lower explosive limits

Remarks not determined

Flash point

Value 101 °C

Method closed cup

Ignition temperature

Value > 560 °C

Decomposition temperature

Remarks not determined

pH value

Value 7

Temperature 20 °C

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Value 23 hPa

Temperature 20 °C

Density and/or relative densityValue 1,04 g/cm³

Temperature 20 °C

Relative vapour density

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks miscible

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information



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None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

ATE	>	10.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute oral toxicity (Components)

Alcohols, C10-12, ethoxylated, propoxylated

Species	rat		
LD50	950		mg/kg
Method	OECD 401		
Source	Manufacturer's data		

Terpene, ethoxylated propoxylated

Species	rat		
LD50	300	to	2000 mg/kg
Method	OECD 423		

Acute dermal toxicity

Remarks Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)

Natriumbenzoat

Species	rabbit		
LD50	>	2000	mg/kg
Remarks	Test conducted with a similar formulation.		

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

Acute inhalative toxicity (Components)

Natriumbenzoat

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Species	rat		
LC50	>	12200	mg/m ³
Duration of exposure	4	h	
Administration/Form	Dust/Mist		
Remarks	Test conducted with a similar formulation.		

Skin corrosion/irritation

Remarks Based on available data, the classification criteria are not met.

Serious eye damage/irritation

evaluation irritant
Remarks The classification criteria are met.

Serious eye damage/irritation (Components)**Alcohols, C10-12, ethoxylated, propoxylated**

Species	rabbit
evaluation	corrosive
Method	OECD 405
Source	Manufacturer's data

Terpene, ethoxylated propoxylated

Species	cattle
evaluation	non-irritant

Terpene, ethoxylated propoxylated

Species	Human
evaluation	irritant

Natriumbenzoat

Species	rabbit
evaluation	slightly irritant
Method	OECD 405

Sensitization

Remarks Based on available data, the classification criteria are not met.

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Reproductive toxicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)**Single exposure**

Remarks Based on available data, the classification criteria are not met.

Repeated exposure

Remarks 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 with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

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Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity**General information**

not determined

Fish toxicity (Components)**Natriumbenzoat**

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	484		mg/l
Duration of exposure	96	h	

Natriumbenzoat

Species	zebra fish (<i>Brachydanio rerio</i>)		
NOEC	10		mg/l
Duration of exposure	144	h	

Daphnia toxicity (Components)**Alcohols, C10-12, ethoxylated, propoxylated**

Species	Daphnia magna		
EC50	12		mg/l
Duration of exposure	48	h	
Method	OECD 202		
Source	Manufacturer's data		

Terpene, ethoxylated propoxylated

Species	Daphnia magna		
EC50	> 100		mg/l

Terpene, ethoxylated propoxylated

Species	Mysidopsis bahia		
Remarks	Toxic to aquatic life.		
Source	Manufacturer's data		

Natriumbenzoat

Species	Daphnia magna		
LC50	> 100		mg/l
Duration of exposure	96	h	
Method	OECD 202		

Natriumbenzoat

Species	Daphnia magna		
NOEC	5,81		mg/l
Duration of exposure	21	d	
Method	OECD 211		

Algae toxicity (Components)**Natriumbenzoat**

Species	Pseudokirchneriella subcapitata		
EC50	30,5		mg/l
Duration of exposure	72	h	
Method	OECD 201		

Bacteria toxicity (Components)

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Natriumbenzoat

NOEC	>	100		mg/l
Duration of exposure		168	h	

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**Alcohols, C10-12, ethoxylated, propoxylated**

Value		93		%
Duration of test evaluation		28	Days	
Source		biodegradable		
		Manufacturer's data		

Terpene, ethoxylated propoxylated

Value		60		%
Duration of test evaluation		28	d	
		Readily biodegradable (according to OECD criteria)		

Natriumbenzoat

Value		85		%
Duration of test evaluation		28	d	
		Readily biodegradable (according to OECD criteria)		

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**Natriumbenzoat**

log Pow 1,88

12.4. Mobility in soil**General information**

not determined

12.5. Results of PBT and vPvB assessment**General information**

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information**

not determined

General information / ecology



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Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Must not be disposed together with household garbage.

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-

SECTION 15: Regulatory information

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2

H319

Calculation method

Hazard statements listed in Chapter 2/3

H302

Harmful if swallowed.

H318

Causes serious eye damage.



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H319 Causes serious eye irritation.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.