

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 08.12.2020 (GB) Version 1.0

UNIVERSALVERDÜNNUNG

100126xxu



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

1.1. Product identifier

Name of product UNIVERSALVERDÜNNUNG
Art-Nr 100126xxu

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

Identified uses

Sector of uses [SU]

SU0 - Other

Product categories [PC]

Solvents

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor EUROLUB GmbH
Freisingerstraße 25-27, D-85386 Eching b. München
Phone +49 8165 9591-0, Fax +49 8165 9591-210
E-Mail info@eurolub.com
Internet www.eurolub.com

1.4. Emergency telephone number

Emergency advice

Phone +49 8165 9591-0
This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Dam. 1	H318
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 3	H412

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

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Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02



GHS05



GHS07



GHS08

Signal word

Danger

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

General

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

P102 Keep out of reach of children.

Prevention

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

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

Storage

P405 Store locked up.

Disposal

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

Hazardous ingredients for labelling

2-methylpropan-1-ol, butan-1-ol, ethyl lactate, Hydrocarbons, C9, aromatics

2.3. Other hazards

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

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Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
71-36-3	200-751-6	butan-1-ol	1 - 3	Flam. Liq. 3, H226 / Acute Tox. 4, H302 / STOT SE 3, H335 / Skin Irrit. 2, H315 / Eye Dam. 1, H318 / STOT SE 3, H336
78-83-1	201-148-0	2-methylpropan-1-ol	1 - 3	Flam. Liq. 3, H226 / STOT SE 3, H335 / Skin Irrit. 2, H315 / Eye Dam. 1, H318 / STOT SE 3, H336
97-64-3	202-598-0	ethyl lactate	1 - 3	Flam. Liq. 3, H226 / STOT SE 3, H335 / Eye Dam. 1, H318
108-65-6	203-603-9	2-methoxy-1-methylethyl acetate	< 25	Flam. Liq. 3, H226
120-92-3	204-435-9	cyclopentanone	< 10	Flam. Liq. 3, H226 / Eye Irrit. 2, H319 / Skin Irrit. 2, H315
123-86-4	204-658-1	n-butyl acetate	10 - 20	Flam. Liq. 3, H226 / STOT SE 3, H336
141-78-6	205-500-4	ethyl acetate	< 10	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
1330-20-7	215-535-7	xylene	< 10	Flam. Liq. 3, H226 / Acute Tox. 4, H332 / Acute Tox. 4, H312 / Skin Irrit. 2, H315
107-98-2	203-539-1	Monopropylene glycol methyl ether	10 - 20	Flam. Liq. 3, H226 / STOT SE 3, H336
	918-668-5	Hydrocarbons, C9, aromatics	5 - 10	Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / STOT SE 3, H335 / STOT SE 3, H336 / Aquatic Chronic 2, H411

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the event of persistent symptoms receive medical treatment.

Take affected person into fresh air.

Do not leave casualty unattended.

Take away from danger area and lay down affected person.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In case of inhalation remove the casualty into fresh air and seek medical advice.

In case of skin contact

In case of contact with skin wash off with soap and water.

Remove contaminated clothing immediately, even underwear and shoes.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

Rinse out mouth thoroughly with water.

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

Physician's information / possible symptoms

Eye defects

vomiting

Headache

Nausea

Dizziness

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4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

no

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

Remove persons to safety.

6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

Additional Information

Informations for personal protective equipment see chapter 8.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

In case of free handling thoroughly sucking off vapours is necessary.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Use explosion-protected equipment / fittings.

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General protective measures

Do not inhale vapours.

Do not inhale gases/vapours/aerosols.

Hygiene measures

Cloths contaminated with product should not be kept in trouser pockets.

At work do not eat, drink and smoke.

Work in rooms with good ventilation.

Keep away from food and drink.

Advice on protection against fire and explosion

The product is combustible.

Vapours can form an explosive mixture with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in heated containers.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Protect from heat and direct solar radiation.

Protect from heat/overheating.

Storage group 3

Fire class B

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
107-98-2	1-methoxy-2-propanol	8 hours	375	100	skin
		Short-term	568	150	
108-65-6	2-methoxy-1-methylethyl acetate	8 hours	275	50	skin
		Short-term	550	100	
1330-20-7	xylene, mixed isomers, pure	8 hours	221	50	skin
		Short-term	442	100	

biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
71-36-3	Butanol-1-ol (1-Butanol)	Butanol-1-ol (1-Butanol) (nach Hydrolyse)	2 mg/g Kreatinin	U	d
71-36-3	Butanol-1-ol (1-Butanol)	Butanol-1-ol (1-Butanol) (nach Hydrolyse)	10 mg/g Kreatinin	U	b
110-54-3	Hexan (n-Hexan)	2,5-Hexandion plus 4,5-Dihydroxy-2-hexanon (nach Hydrolyse)	5 mg/l	U	b
1330-20-7	xylene	Methylhippur-(Tolur-)säure (alle Isomere)	2000 mg/l	U	b
107-98-2	1-methoxypropan-2-ol	1-Methoxypropan-2-ol	15 mg/l	U	b

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

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Hand protection

Gloves (solvent-resistant)

Eye protection

safety goggles with side protection

Other protection measures

Solvent-resistant protective clothing

Appropriate engineering controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

colourless, clear

Odour

like paraffine

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
boiling range	55 - 185 °C		1013 hPa		
Melting point / Freezing point	not determined				
Flash point	-10 °C			DIN 51755	
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	200 °C				
Self ignition temperature	not determined				
Lower explosion limit	1 Vol-%				
Upper explosion limit	36,5 Vol-%				
Vapour pressure	not determined				
Relative density	0,847 g/cm ³				
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				

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	Value	Temperature	at	Method	Remark
Decomposition temperature	not determined				
Viscosity kinematic	< 20,5	40 °C			
Solvent content	100 %				
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	flammable liquid				

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Formation of explosive gas/air mixtures.

10.4. Conditions to avoid

Thermal decomposition can lead to the escape of irritating gases and vapours.

10.5. Incompatible materials

Substances to avoid

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 3000 mg/kg	rat		
LD50 acute dermal	> 2000 mg/kg	rat		
Skin irritation		No information available.		
Eye irritation		No information available.		

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Value/Validation	Species	Method	Remark
Skin sensitization	No information available.		
Sensitization respiratory system	No information available.		
Subacute Toxicity - Carcinogenicity			
Value	Species	Method	Validation
Mutagenicity	No data available		
Reproduction-Toxicity			Indications of toxic effects are available from reproduction studies in animals.
Carcinogenicity			No indications of carcinogenic effects are available from long-term trials.
Specific target organ toxicity (single exposure) No information available.			
Specific target organ toxicity (repeated exposure) No information available.			
Aspiration hazard May be fatal if swallowed and enters airways.			

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	NOEC 1 - 10 mg/l			
Daphnia	NOEC 1 - 10 mg/l			
Algae	NOEC 10 - 100 mg/l			

12.2. Persistence and degradability

Elimination rate	Method of analysis	Method	Validation
Biological degradability			readily degradable

12.3. Bioaccumulative potential

Because of the n-octanol/water distribution coefficient (log K_{ow}) accumulation in organisms is possible.

12.4. Mobility in soil

not determined

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

07 01 04*

Name of waste

other organic solvents, washing liquids and mother liquors

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

General information

no

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1263	1263	1263
14.2. UN proper shipping name	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	Paint
14.3. Transport hazard class(es)		3	3
14.4. Packing group	II	II	II
14.5. Environmental hazards	No	No	No

14.6. Special precautions for user

no

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

Hazard label(s) 3

Tunnel restriction code D/E

Special provisions 640D

Classification code F1

SECTION 15: Regulatory information

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

Other regulations (EU)

Regulation (EC) No 648/2004 (Detergents regulation).

VOC standard

VOC content 100 %

VOC value 847 g/L

National regulations

Restriction of occupation

No information available.

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Water hazard class 2 self-classification

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.