

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 14.12.2023

Version number 7 (replaces version 6)

Revision: 14.12.2023

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

- **1.1 Product identifier**
- **Trade name** **UNIVERSALVERDÜNNUNG UV 80**
- **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** Thinner, Diluent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

### SECTION 2: Hazards identification

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



flame

Flam. Liq. 2      H225 Highly flammable liquid and vapour.



corrosion

Eye Dam. 1      H318 Causes serious eye damage.



environment

Aquatic Chronic 2      H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2      H315 Causes skin irritation.

STOT SE 3      H335 May cause respiratory 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 GB CLP regulation.
- **Hazard pictograms**



GHS02   GHS05   GHS07   GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
Solvent naphtha (petroleum), light arom.  
butan-1-ol

(Contd. on page 2)

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(Contd. of page 1)

Reaktionsmasse von Ethylbenzol und Xylol

Reaktionsmasse von Ethylbenzol, m-Xylol und p-Xylol

**Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P280 Wear protective gloves / eye protection / face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

P362+P364 Take off contaminated clothing and wash it before reuse.

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

**2.3 Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Description: Mixture consisting of the following components with harmless additives.

**Dangerous components:**

EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335 STOT SE 3, H336 EUH066	50-100%
EC number: 905-588-0 Reg.nr.: 01-2119488216-32-XXXX	Reaktionsmasse von Ethylbenzol und Xylol Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	≥10-<25%
CAS: 71-36-3 EINECS: 200-751-6	butan-1-ol Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335 STOT SE 3, H336	≥3-<5%
EC number: 905-562-9 Reg.nr.: 01-2119555267-33-xxxx	Reaktionsmasse von Ethylbenzol, m-Xylol und p-Xylol Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-5%

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 7 (replaces version 6)

Revision: 14.12.2023


Trade name **UNIVERSALVERDÜNNUNG UV 80**

(Contd. of page 2)

CAS: 100-41-4

EINECS: 202-849-4

ethylbenzene

 Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332

1-2.5%

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Seek medical treatment.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Danger** Danger of pulmonary oedema.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
If swallowed or in case of vomiting, danger of entering the lungs

#### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **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 breathing apparatus.
- **Additional information** Cool endangered containers with water spray jet.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.  
Wear protective clothing.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.  
Prevent material from reaching sewage system, holes and cellars.  
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose of contaminated material as waste according to item 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.

(Contd. on page 4)

GB

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Printing date 14.12.2023

Version number 7 (replaces version 6)

Revision: 14.12.2023

Trade name **UNIVERSALVERDÜNNUNG UV 80**

See Section 13 for information on disposal.

(Contd. of page 3)

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

#### Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage

##### Requirements to be met by storerooms and containers:

Provide solvent resistant, sealed floor.

Store in cool location.

Store only in the original container.

##### Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from flammable substances.

Store away from foodstuffs.

##### Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

##### Storage class 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:

##### 71-36-3 butan-1-ol

WEL	Short-term value: 154 mg/m <sup>3</sup> , 50 ppm
Sk	

##### 100-41-4 ethylbenzene

WEL	Short-term value: 552 mg/m <sup>3</sup> , 125 ppm
	Long-term value: 441 mg/m <sup>3</sup> , 100 ppm
Sk	

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

Do not eat, drink or smoke while working.

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from foodstuffs, beverages and food.

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.

##### Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 14.12.2023

Version number 7 (replaces version 6)

Revision: 14.12.2023

Trade name **UNIVERSALVERDÜNNUNG UV 80**

(Contd. of page 4)

- **Hand protection**

Solvent resistant gloves

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

- **Material of gloves**

DIN EN 374

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** Safety glasses recommended during refilling.

- **Body protection:** Solvent resistant protective clothing

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Colourless

- **Smell:**

Aromatic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Not determined

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

36 °C (Solvent naphtha (petroleum), light arom.)

- **Flammability**

Highly flammable.

- **Lower and upper explosion limit**

- **Lower:**

0.7 Vol %

- **Upper:**

7 Vol %

- **Flash point:**

18-29 °C

- **Auto-ignition temperature:**

340 °C

- **Decomposition temperature:**

Not determined.

- **pH**

Mixture is non-soluble (in water).

- **Viscosity:**

- **Kinematic viscosity at 20 °C**

10 s (DIN 53211/4)

- **dynamic:**

Not determined.

- **Solubility**

- **Water:**

Not miscible or difficult to mix

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

Not determined.

- **Steam pressure at 20 °C:**

10 hPa

- **Density and/or relative density**

- **Density at 20 °C**

0.9 g/cm<sup>3</sup>

- **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:**

Product is not selfigniting.

- **Explosive properties:**

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

(Contd. on page 6)

## Safety data sheet

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Revision: 14.12.2023

Trade name UNIVERSALVERDÜNNUNG UV 80

(Contd. of page 5)

· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Highly flammable liquid and vapour.
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
  - Forms explosive gas mixture with air
  - Reacts with oxidizing agents
  - Reacts with alkaline metals
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### 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:

##### 71-36-3 butan-1-ol

Oral	LD50	790 mg/kg (rat)
Dermal	LD50	3,400 mg/kg (rabbit)
Inhalative	LC50/4 h	8,000 mg/l (rat)

##### 100-41-4 ethylbenzene

Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rabbit)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **STOT-single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.

(Contd. on page 7)



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Trade name **UNIVERSALVERDÜNNUNG UV 80**

(Contd. of page 6)

#### · 11.2 Information on other hazards

##### · Endocrine disrupting properties

None of the ingredients is listed.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.· **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:** Not applicable.· **vPvB:** Not applicable.

#### · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

#### · 12.7 Other adverse effects

· **Remark:** Toxic for fish

#### · Additional ecological information:

##### · General notes:

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

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class (Germany) 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

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

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

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

##### · Uncleaned packagings:

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

### SECTION 14: Transport information

#### · 14.1 UN number or ID number

· **ADR, IMDG, IATA** UN1263

#### · 14.2 UN proper shipping name

· <b>ADR</b>	1263 PAINT RELATED MATERIAL, ENVIRONMENTALLY HAZARDOUS
· <b>IMDG</b>	PAINT RELATED MATERIAL, MARINE POLLUTANT
· <b>IATA</b>	PAINT RELATED MATERIAL

(Contd. on page 8)

GB

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Trade name **UNIVERSALVERDÜNNUNG UV 80**

(Contd. of page 7)

· **14.3 Transport hazard class(es)**

· **ADR, IMDG**



· **Class** 3 Flammable liquids.  
 · **Label** 3

· **IATA**



· **Class** 3 Flammable liquids.  
 · **Label** 3

· **14.4 Packing group**

· **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**

Product contains environmentally hazardous substances: Solvent naphtha (petroleum), light arom.

· **Marine pollutant:** Symbol (fish and tree)

· **Special marking (ADR):** Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· **Kemler Number:** 30

· **EMS Number:** F-E, S-E

· **Stowage Category** A

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ)** 5L

· **Transport category** 3

· **Tunnel restriction code** D/E

· **UN "Model Regulation":**

UN 1263 PAINT RELATED MATERIAL, 3, III, ENVIRONMENTALLY HAZARDOUS

## SECTION 15: Regulatory information

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

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

(Contd. on page 9)



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Trade name **UNIVERSALVERDÜNNUNG UV 80**

(Contd. of page 8)

### · Reportable poisons

None of the ingredients is listed.

### · Directive 2012/18/EU

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

### · Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t· **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.

### · Relevant phrases

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.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

· **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)

### · 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

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

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

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

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

· **\* Data compared to the previous version altered.**