

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: R17 Waschbox- und Sanitärreiniger

UFI: 21K0-N0XT-700V-R4VT

**1.2 Relevant identified uses of the substance or mixture and uses advised against**General use: Cleaning agent  
Reserved for industrial and professional use.**1.3 Details of the supplier of the safety data sheet**

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

WWW: www.eurotech.at

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Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

**1.4 Emergency telephone number****GIZ-Nord, Göttingen**  
**Telephone: +49 551-19240****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to EC regulation 1272/2008 (CLP)**

Skin Irrit. 2; H315 Causes skin irritation.

Eye Dam. 1; H318 Causes serious eye damage.

**2.2 Label elements****Labelling (CLP)**

Signal word:

**Danger**

Hazard statements:

H315

Causes skin irritation.

H318

Causes serious eye damage.

Precautionary statements:

P260

Do not breathe fume/gas/mist/vapours/spray.

P280

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

P302+P352

IF ON SKIN: Wash with plenty of water/soap.

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.

**Special labelling**

Text for labelling:

Contains: Fatacohol ethoxylate C13 + 6 EO

Labelling for contents according to regulation (EC) No 648/2004, annex VII:

Contains less than 5% non-ionic surfactant.



### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 226-218-8 CAS 5329-14-6	Sulphamidic acid Skin Irrit. 2; H315. Eye Irrit. 2; H319. Aquatic Chronic 3; H412.	< 10 %
EC No. 500-027-2 CAS 9043-30-5	Fatalcohol ethoxylate C13 + 6 EO Eye Dam. 1; H318.	< 5 %
EC No. 203-905-0 CAS 111-76-2	2-Butoxyethanol Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319. Acute toxicity estimate (ATE): Oral: 1200 mg/kg bw.	< 5 %

Full text of H- and EUH-statements: see section 16.

Additional information: Labelling for contents according to regulation (EC) No 648/2004, annex VII:  
Contains less than 5% non-ionic surfactant.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information:	First aider: Pay attention to self-protection! If medical advice is needed, have product container or label at hand. Take off immediately all contaminated clothing. Do not leave affected person unattended. Put victim at rest, cover with a blanket and keep warm. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical attention.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Causes serious eye damage. Causes skin irritation.

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

Treat symptomatically. Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media: Extinguishing powder, water spray jet or carbon dioxide.  
In case of large fires: Water spray jet or foam.

Extinguishing media which must not be used for safety reasons:

Full water jet

**5.2 Special hazards arising from the substance or mixture**

May form dangerous gases and vapours in case of fire.  
In case of fire may be liberated: carbon monoxide and carbon dioxide.

**5.3 Advice for firefighters**

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Use fine water spray to cool endangered containers.  
In case of fire and/or explosion do not breathe fumes.  
Contaminated fire-fighting water must be collected separately.  
Do not allow water used to extinguish fire to enter drains, ground or waterways.

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

Provide adequate ventilation.  
Avoid the formation of aerosol. Do not breathe vapour/aerosol.  
[In case of inadequate ventilation] wear respiratory protection.  
Avoid contact with skin, eyes, and clothing.  
Wear appropriate protective equipment.  
Take off contaminated clothing and wash it before reuse.  
Keep unprotected people away.

**6.2 Environmental precautions**

Do not allow to enter into ground-water, surface water or drains.  
If necessary notify appropriate authorities.  
Retain contaminated washing water and dispose it.

**6.3 Methods and material for containment and cleaning up**

Absorb spillage to prevent material damage.  
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Apply neutralizing agents.  
Never return spills in original containers for re-use.  
Place in appropriate containers for disposal.

Additional information:

Special danger of slipping by leaking/spilling product.

**6.4 Reference to other sections**

Refer additionally to section 8 and 13.



## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.  
Avoid the formation of aerosol. Do not breathe vapour/aerosol.  
Do not get in eyes, on skin, or on clothing.  
Wear appropriate protective equipment.  
Take off immediately all contaminated clothing and wash it before reuse.  
Do not eat, drink or smoke when using this product.  
Wash hands thoroughly after handling.  
Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion:

Keep away from heat.  
When handling larger quantities, take precautionary measures against electrostatic charging.

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

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.  
Protect from heat and direct sunlight.  
Store containers in upright position.  
Provide acid resistant flooring.  
Store only in corrosive resistant containers.

Hints on joint storage:

Do not store together with alkalis or metals.  
Keep away from food, drink and animal feedingstuffs.

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
111-76-2	2-Butoxyethanol	Europe: IOELV: STEL	246 mg/m <sup>3</sup> ; 50 ppm (may be absorbed through the skin)
		Europe: IOELV: TWA	98 mg/m <sup>3</sup> ; 20 ppm (may be absorbed through the skin)
		Ireland: 15 minutes	246 mg/m <sup>3</sup> ; 50 ppm (may be absorbed through the skin)
		Ireland: 8 hours	98 mg/m <sup>3</sup> ; 20 ppm (may be absorbed through the skin)

### 8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: [In case of inadequate ventilation] wear respiratory protection.  
Respiratory protection must be worn whenever the WEL levels have been exceeded.  
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection:

Protective gloves according to EN 374  
Glove material:  
Butyl caoutchouc (butyl rubber), Polychloroprene - CR  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed goggles according to EN 166.



Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Do not breathe vapour/aerosol.

Do not get in eyes, on skin, or on clothing.

Protect skin by using skin protective cream.

Take off immediately all contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Keep away from food, drink and animal feedingstuffs.

Work place should be equipped with a shower and an eye rinsing apparatus.

### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

Do not allow to enter into ground-water, surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	colourless
Odour:	odourless
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	100 °C (1013 hPa)
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	not applicable
Decomposition temperature:	No data available
pH:	<= 2.0
Viscosity, kinematic:	No data available
Water solubility:	Completely miscible
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	at 20 °C: 23 hPa
Density:	at 20 °C: 1.07 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

### 9.2 Other information

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	none
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

May be corrosive to metals.

### 10.2 Chemical stability

Stable under recommended storage conditions.



### 10.3 Possibility of hazardous reactions

Violent reaction with alkalis.  
Contact with metals liberates hydrogen.

### 10.4 Conditions to avoid

Protect from heat and direct sunlight.

### 10.5 Incompatible materials

alkalis, alkali metals, alkaline earth metals, light metals.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition: No data available

## SECTION 11: Toxicological information

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

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

ATEmix (calculated):  $2000 \text{ mg/kg} < \text{ATE} \leq 5000 \text{ mg/kg}$ .

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

ATEmix (calculated):  $2000 \text{ mg/kg} < \text{ATE} \leq 5000 \text{ mg/kg}$ .

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

ATEmix (calculated):  $\text{ATE} > 20 \text{ mg/L}$ .

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

Skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (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: No data available

Other information: Information about Sulphamidic acid:  
LD50 Rat, oral: 3160 mg/kg

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details: No data available



## 12.2 Persistence and degradability

Further details: The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

No data available

## 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

General information:

Do not allow to enter into ground-water, surface water or drains. Do not allow to enter undiluted resp. in large quantities into surface water or into drains. Damaging effect on aquatic ecosystems possible due to change in the pH value.

# SECTION 13: Disposal considerations

## 13.1 Waste treatment methods

### Product

Waste key number:

06 01 06\* = other acids

\* = Evidence for disposal must be provided.

Recommendation:

Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.

### Package

Recommendation:

Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.  
Non-contaminated packages may be recycled.

# SECTION 14: Transport information

## 14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: not applicable

## 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not restricted

## 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

## 14.4 Packing group

ADR/RID, IMDG, IATA-DGR: not applicable



#### 14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: no

#### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

No data available

### SECTION 15: Regulatory information

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

##### National regulations - EC member states

##### Labelling of packaging with <= 125mL content



Signal word:

**Danger**

Hazard statements:

H318

Causes serious eye damage.

Precautionary statements:

P260

Do not breathe fume/gas/mist/vapours/spray.

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.

P310

Immediately call a POISON CENTER/doctor.

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3

#### 15.2 Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

### SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H332 = Harmful if inhaled.

H412 = Harmful to aquatic life with long lasting effects.

Reason of change:

General revision

Date of first version:

7/3/2017

Department issuing data sheet: see section 1: Department responsible for information



**SAFETY DATA SHEET**

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) No 2020/878

**R17 Waschbox- und Sanitärreiniger**

Material number 837117

Revision date: 25/1/2023

Version: 2.3

Replaces version: 2.2

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Abbreviations and acronyms:

- Acute Tox.: Acute toxicity
- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- Aquatic Chronic: Hazardous to the aquatic environment - chronic
- AS/NZS: Australian Standards/New Zealand Standards
- Bw: Body weight
- CAS: Chemical Abstracts Service
- CFR: Code of Federal Regulations
- CLP: Classification, Labelling and Packaging
- DMEL: Derived minimal effect level
- DNEL: Derived no-effect level
- EC: European Community
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- Eye Dam.: Eye damage
- Eye Irrit.: Eye irritation
- IATA: International Air Transport Association
- IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
- IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- IMDG Code: International Maritime Dangerous Goods Code
- LD50: Lethal dose 50%
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- OEL: Occupational Exposure Limit Value
- OSHA: Occupational Safety and Health Administration
- PBT: Persistent, bioaccumulative and toxic
- PNEC: Predicted no-effect concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- Skin Irrit.: Skin irritation
- TLV: Threshold Limit Value
- TRGS: Technical Rules for Hazardous Substances
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.