

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Jan 2026

Print date: 2 Feb 2026

Version: 3



REIN ABER RICHTIG  
E.MAYR REINIGUNGSTECHNIK

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**Exakt Fresh Orange**

**Item no.:2593/10L - 2596/12x1L**

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

### 1.1. Product identifier

Trade name/designation:

**Exakt Fresh Orange**

UFI:

FRNK-70TH-7007-XDY4

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

Use of the substance/mixture:

Washing and cleaning products

Relevant identified uses:

**Product Categories [PC]**

**PC 35:** Washing and cleaning products

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer:**

**Pernauer Chemiewerke GmbH**

Schafwiesenstrasse 135

A-4600 Wels

Austria

**Telephone:** +43 7242 / 44196-0

**Telefax:** +43 7242 / 44196-22

**E-mail:** w.aicher@pernauer.com

**Website:** www.pernauer.com

**distributor:**

**E. Mayr Reinigungstechnik Ges.m.b.H**

Ortstraße 285

2331 Vösendorf

Austria

**Telephone:** 01/699 17 64-0

**Telefax:** 01/699 17 64-33

**E-mail:** office@e-mayr.at

**Website:** www.e-mayr.at

**E-mail (competent person):** w.aicher@pernauer.com

### 1.4. Emergency telephone number

24h: Poison Center Vienna +43 1 406 4343-0, Pernauer Chemiewerke GmbH +43 7242 / 44196-0 (Only available during office hours.)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	Calculation method.

### 2.2. Label elements

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

Hazard pictograms:



**GHS07**

Exclamation mark

**Signal word:** Warning

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### Hazard components for labelling:

1,2-benzisothiazol-3(2H)-one

#### Hazard statements for health hazards

H319 Causes serious eye irritation.

#### Supplemental hazard information

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

#### Precautionary statements

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

P102 Keep out of reach of children.

#### Precautionary statements Prevention

P264 Wash hands thoroughly after handling.

P280 Wear eye protection/face protection.

#### Precautionary statements Response

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 data available

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Description:

Mixture of substances listed below with nonhazardous additions.

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 97489-15-1 EC No.: 307-055-2 REACH No.: 01-2119489924-20-0000	<b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b> Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) Danger <b>Specific concentration limit (SCL)</b> Acute Tox. 4; H302: 60% ≤ C < 100% Eye Irrit. 2; H319: 10% ≤ C < 15% Eye Dam. 1; H318: 15% ≤ C < 100% <b>Acute Toxicity Estimate</b> ATE (oral) ≥ 500 mg/kg ATE (dermal) > 2,000 g/m <sup>3</sup>	5 - < 15 weight-%
CAS No.: 160901-19-9 EC No.: 931-954-4	<b>Alcohols, C12-13, branched and linear, ethoxylated</b> Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318) Danger <b>Specific concentration limit (SCL)</b> Eye Dam. 1; H318: C ≥ 10% <b>Acute Toxicity Estimate</b> ATE (oral) 500 mg/kg	1 - ≤ 5 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 2634-33-5 EC No.: 220-120-9 Index No.: 613-088-00-6	<b>1,2-benzisothiazol-3(2H)-one</b> Acute Tox. 2 (H330), Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Irrit. 2 (H315), Skin Sens. 1A (H317)  Danger M-factor (acute): 1 M-factor (chronic): 1 <b>Specific concentration limit (SCL)</b> Skin Sens. 1; H317: C ≥ 0.036% <b>Acute Toxicity Estimate</b> ATE (oral) 450 mg/kg ATE (inhalation, dust/mist) 0.21 mg/L	0 - < 0.005 weight-%

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

#### After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

#### Self-protection of the first aider:

Use personal protection equipment.

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

Serious eye damage/eye irritation

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media:

Full water jet

### 5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

### 5.3. Advice for firefighters

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

### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Use personal protection equipment. Remove persons to safety.

**Protective equipment:**

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

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

**For containment:**

Universal binder Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Keep out of reach of children. Wear personal protection equipment (refer to section 8).

**Fire prevent measures:**

No special measures are necessary.

**Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

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

**Technical measures and storage conditions:**

Keep container tightly closed in a cool, well-ventilated place.

**Requirements for storage rooms and vessels:**

Keep/Store only in original container.

**Hints on storage assembly:**

Store away from foodstuffs.

**Further information on storage conditions:**

Protect from frost.

#### 7.3. Specific end use(s)

**Recommendation:**

Observe instructions for use.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT) from 25 Sept 2018	<b>2-phenoxyethanol</b> CAS No.: 122-99-6 EC No.: 204-589-7	① 20 ppm (110 mg/m <sup>3</sup> ) ② 20 ppm (110 mg/m <sup>3</sup> ) ⑤ (Momentanwert)

##### 8.1.2. Biological limit values

No data available

##### 8.1.3. DNEL-/PNEC-values

No data available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

No data available

##### 8.2.2. Personal protection equipment



###### Eye/face protection:

Eye glasses with side protection EN 166

###### Skin protection:

Tested protective gloves must be worn EN ISO 374

###### Respiratory protection:

Usually no personal respiratory protection necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

###### Other protection measures:

Keep away from food, drink and animal feedingstuffs.

##### 8.2.3. Environmental exposure controls

No data available

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

**Physical state:** Liquid

**Colour:** orange

**Odour:** Orange

**flammability:** No

##### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	10 - 10.5	20 °C	
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	> 70 °C		
Flash point	> 70 °C		
Evaporation rate	No data available		

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Parameter	Value	at °C	① Method ② Remark
Auto-ignition temperature	<i>not applicable</i>		
Upper/lower flammability or explosive limits	<i>No data available</i>		
Vapour pressure	<i>No data available</i>		
Vapour density	<i>No data available</i>		
Density	<i>No data available</i>		
Relative density	1.01 - 1.02	20 °C	
Bulk density	<i>not applicable</i>		
Water solubility	<i>No data available</i>		
Dynamic viscosity	<i>No data available</i>		
Kinematic viscosity	<i>No data available</i>		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product itself does not burn.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

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

<b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b> CAS No.: 97489-15-1 EC No.: 307-055-2
<b>LD<sub>50</sub> oral:</b> ≥500 mg/kg (Ratte)
<b>LD<sub>50</sub> dermal:</b> >2,000 g/m <sup>3</sup> (Maus)
<b>Alcohols, C12-13, branched and linear, ethoxylated</b> CAS No.: 160901-19-9 EC No.: 931-954-4
<b>ATE oral:</b> >500 - ≤2,000 mg/kg

#### Acute oral toxicity:

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

#### Acute dermal toxicity:

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

#### Acute inhalation toxicity:

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

#### 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.

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### 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:

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

### 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.

### Additional information:

No data available

## 11.2. Information on other hazards

### Endocrine disrupting properties:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b> CAS No.: 97489-15-1 EC No.: 307-055-2
LC <sub>50</sub> : >1 - ≤10 mg/L 4 d (fish)
EC <sub>50</sub> : =9.81 mg/L 2 d (crustaceans)
EC <sub>50</sub> : >61 mg/L 3 d (Algae/water plant) 201
NOEC: >600 mg/L -∞ h (Pseudomonas putida) DIN 38412 T.8
<b>Alcohols, C12-13, branched and linear, ethoxylated</b> CAS No.: 160901-19-9 EC No.: 931-954-4
LC <sub>50</sub> : >1 - <10 mg/L 4 d (fish)
EC <sub>50</sub> : >1 - <10 mg/L 2 d (crustaceans)
EC <sub>50</sub> : >1 - <10 mg/L 3 d (Algae/water plant)
NOEC: >0.1 - 1 mg/L -∞ h (Algae/water plant)

### 12.2. Persistence and degradability

<b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b> CAS No.: 97489-15-1 EC No.: 307-055-2
Biodegradation: Yes, rapidly
<b>Alcohols, C12-13, branched and linear, ethoxylated</b> CAS No.: 160901-19-9 EC No.: 931-954-4
Biodegradation: Yes, rapidly

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

<b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b> CAS No.: 97489-15-1 EC No.: 307-055-2
Results of PBT and vPvB assessment: —
<b>Alcohols, C12-13, branched and linear, ethoxylated</b> CAS No.: 160901-19-9 EC No.: 931-954-4
Results of PBT and vPvB assessment: —

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

#### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

20 01 30	(20) MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS (01) separately collected fractions (except 15 01) (30) detergents other than those mentioned in 20 01 29
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##### Waste code packaging

20 01 39	(20) MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS (01) separately collected fractions (except 15 01) (39) plastics
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### Waste treatment options

#### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Non-contaminated packages may be recycled. Completely emptied packages can be recycled.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

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

No data available

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

###### Other regulations (EU):

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Regulation (EC) No 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP).

##### 15.1.2. National regulations

No data available

#### 15.2. Chemical Safety Assessment

No data available

### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

No data available

#### 16.3. Key literature references and sources for data

No data available

#### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	Calculation method.

#### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### 16.6. Training advice

No data available

#### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.