

# SAFETY DATA SHEET

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

Revision date: 15 Feb 2022

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## Dimex fresh

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

#### 1.1. Product identifier

Trade name/designation:

Dimex fresh

UFI:

VSN1-920G-EHJN-X073

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

Use of the substance/mixture:

Cleaning agent

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Otto Oehme GmbH

FEA

Industriestr. 20

90584 Allersberg

Germany

Telephone: 09176/98050

Telefax: 09176/980555

E-mail: Info@Oehme-Lorito.de

Website: www.Oehme-Lorito.de

#### 1.4. Emergency telephone number

Giftinformationszentrum-Nord, Göttingen , 24h: +49 (0) 551 19240

### 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.	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

#### 2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

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Signal word: Warning

### Hazard statements for health hazards

H319 Causes serious eye irritation.

### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

### Supplemental hazard information

EUH208 Contains dipentene. May produce an allergic reaction.

### Precautionary statements Prevention

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

### Precautionary statements Response

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

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

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 112-34-5 EC No.: 203-961-6 REACH No.: 01-2119475104-44-XXXX	<b>2-(2-butoxyethoxy)ethanol</b> Eye Irrit. 2 (H319) <b>Warning</b>	1 - < 10 weight-%
CAS No.: 64-17-5 EC No.: 200-578-6 REACH No.: 01-2119457610-43-XXXX	<b>ethanol</b> Eye Irrit. 2 (H319), Flam. Liq. 2 (H225) <b>Danger</b>	1 - < 10 weight-%
CAS No.: 69011-36-5	<b>Isotridecanol,ethoxylated</b> Acute Tox. 4 (H302), Eye Dam. 1 (H318) <b>Danger</b>	1 - ≤ 5 weight-%
CAS No.: 138-86-3 EC No.: 205-341-0	<b>dipentene</b> Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) <b>Danger</b> M-factor (acute): 1 M-factor (chronic): 1	0 - < 1 weight-%
CAS No.: 78-93-3 EC No.: 201-159-0 REACH No.: 01-2119457290-43-XXXX	<b>butanone</b> Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) <b>Danger</b> EUH066	0 - < 0.1 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.

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### 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. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.

### Self-protection of the first aider:

Use personal protection equipment.

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

Irritant Effects. respiratory paralysis, dermatitis, dizziness, narcosis, intoxication, euphoria, nausea, Vomiting, shortness of breath, diarrhea, CNS disorders. Degreasing effect with the formation of brittle and cracked skin.

### 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:

Adjust to the environment

#### Unsuitable extinguishing media:

There are no restrictions on extinguishing agents for this mixture

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

Contains combustible substance. Vapors are heavier than air and spread along floors. Explosive mixtures with air are possible even at normal temperatures. on Watch out for flashback. In case of fire hazardous combustion gases or vapors possible.

#### Hazardous combustion products:

In case of fire: Gases/vapours, toxic

### 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.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Remove persons to safety.

##### Protective equipment:

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

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

#### For containment:

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.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Wear personal protection equipment (refer to section 8). Do not breathe gas/fumes/vapour/spray.

##### Advices on general occupational hygiene

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

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

##### Technical measures and storage conditions:

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

**Storage class (TRGS 510, Germany):** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

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

##### Industrial sector specific solutions:

Maintainer, solvent-free, not labeled

##### GISCODE:

GU40

### 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
TRGS 900 (DE)	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67 mg/m <sup>3</sup> ) ② 15 ppm (100.5 mg/m <sup>3</sup> ) ⑤ (Aerosol und Dampf)
IOELV (EU)	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67.5 mg/m <sup>3</sup> ) ② 15 ppm (101.2 mg/m <sup>3</sup> )
TRGS 900 (DE)	ethanol CAS No.: 64-17-5 EC No.: 200-578-6	① 200 ppm (380 mg/m <sup>3</sup> ) ② 800 ppm (1,520 mg/m <sup>3</sup> )
IOELV (EU)	butanone CAS No.: 78-93-3 EC No.: 201-159-0	① 200 ppm (600 mg/m <sup>3</sup> ) ② 300 ppm (900 mg/m <sup>3</sup> )
TRGS 900 (DE)	butanone CAS No.: 78-93-3 EC No.: 201-159-0	① 200 ppm (600 mg/m <sup>3</sup> ) ② 200 ppm (600 mg/m <sup>3</sup> ) ⑤ (kann über die Haut aufgenommen werden)

##### 8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
TRGS 903 (DE)	butanone CAS No.: 78-93-3 EC No.: 201-159-0	2 mg/L	① 2-Butanon ② Urin ③ Expositionsende bzw. Schichtende

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### 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 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

#### 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: yellow

Odour: scented

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	7 - 8	20 °C	
Melting point	<i>not determined</i>		
Freezing point	<i>not determined</i>		
Initial boiling point and boiling range	<i>not determined</i>		
Decomposition temperature	<i>not determined</i>		
Flash point	<i>not determined</i>		
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	<i>not determined</i>		
Upper/lower flammability or explosive limits	<i>not determined</i>		
Vapour pressure	<i>not determined</i>		
Vapour density	<i>not determined</i>		
Density	1	20 °C	
Relative density	<i>not determined</i>		
Bulk density	<i>not determined</i>		
Water solubility	miscible		
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	<i>not determined</i>		
Kinematic viscosity	<i>not determined</i>		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Explosive mixtures with air are possible on intense heating.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

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### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

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

Substance name	Toxicological information
Isotridecanol, ethoxylated CAS No.: 69011-36-5	<b>LD<sub>50</sub> oral:</b> 300 - 2,000 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Ratte)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	<b>LD<sub>50</sub> oral:</b> 2,410 mg/kg (Mouse) <b>LD<sub>50</sub> dermal:</b> 2,764 mg/kg (Rabbit)
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	<b>LD<sub>50</sub> oral:</b> 10,470 mg/kg (Ratte) <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Kaninchen) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 51 mg/l 4 h (Ratte)

#### 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:

Contains dipentene. May produce an allergic reaction.

#### 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

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### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance name	Toxicological information
Isotridecanol,ethoxylated CAS No.: 69011-36-5	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: >1 mg/l 21 d (crustaceans) LC <sub>50</sub> : >1 - 10 mg/l (fish, Daphnia magna) LC <sub>50</sub> : >1 - 10 mg/l (fish)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	LC <sub>50</sub> : 1,300 mg/l 4 d (Sonnenbarsch) OECD 203 EC <sub>50</sub> : >100 mg/l 2 d (Daphnia magna) ErC <sub>50</sub> : 1,101 mg/l 3 d (Algae/water plant)
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	LC <sub>50</sub> : 5,012 mg/l 2 d (Algae/water plant, Ceriodaphnia dubia (Wasserfloh)) EC <sub>50</sub> : 275 mg/l 3 d (Algae/water plant, Chlorella vulgaris) OECD- Prüfrichtlinie 201
dipentene CAS No.: 138-86-3 EC No.: 205-341-0	LC <sub>50</sub> : 0.702 mg/l 4 d (fish)
butanone CAS No.: 78-93-3 EC No.: 201-159-0	LC <sub>50</sub> : 2,993 mg/l 4 d (fish, Pimephales promelas) OECD Prüfrichtlinie 203 EC <sub>50</sub> : 308 mg/l 2 d (crustaceans, Daphnia magna) OECD-Prüfrichtlinie 202

### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Substance name	Biodegradation	Remark
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	Yes, rapidly	
butanone CAS No.: 78-93-3 EC No.: 201-159-0	Yes, rapidly	

### 12.3. Bioaccumulative potential

Substance name	Log K <sub>ow</sub>	Bioconcentration factor (BCF)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	= 1	
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	-0.35	0.66
butanone CAS No.: 78-93-3 EC No.: 201-159-0	0.3	

### 12.4. Mobility in soil

No data available

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### 12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
Isotridecanol,ethoxylated CAS No.: 69011-36-5	—
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	—
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	—
dipentene CAS No.: 138-86-3 EC No.: 205-341-0	—
butanone CAS No.: 78-93-3 EC No.: 201-159-0	—

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

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

##### Waste code product

07 06 01 *	aqueous washing liquids and mother liquors
20 01 29 *	Detergents containing hazardous substances

\*: Evidence for disposal must be provided.

##### Waste code packaging

##### Remark:

Plastic packaging

##### Waste treatment options

##### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

## 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



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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<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

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Authorisations:

Labelling for contents according to regulation (EC) No. 648/2004

non-ionic surfactants <5%

perfumes, Limonene

Didecyldimethylammoniumchlorid

#### 15.1.2. National regulations

##### [DE] National regulations

##### Water hazard class

###### WGK:

1 - schwach wassergefährdend

##### Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

### 15.2. Chemical Safety Assessment

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

## 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 ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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### Hazard statements

H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Supplemental hazard information

EUH066	Repeated exposure may cause skin dryness or cracking.
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### 16.6. Training advice

No data available

### 16.7. Additional information

The information is based on our current level of knowledge and is used to describe the product with regard to the safety precautions to be taken. They do not represent a guarantee of the properties of the product described.

It is the responsibility of the recipient of our product to observe existing laws and regulations.