Kit Safety Information Sheet (SIS)

## **SECTION 1: Kit identification**

## 1.1 Kit identifier

Trade name Article number : FIS P 300 T : 00093175

## 1.2 Details of the supplier of the Kit safety information sheet

fischerwerke GmbH & Co. KG Klaus-Fischer-Straße 1 72178 Waldachtal - Germany T +49(0)7443 12-0 - F +49(0)7443 12-4222 info-sdb@fischer.de - www.fischer.de

## **SECTION 2: General information**

Storage

: 5 - 25°C

A SDS for each of these components is included. Please do not separate any component SDS from this cover page This product is a Kit which consists of several independently packaged components

This Kit should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used

# **SECTION 3: Kit contents**

Name	Classification according to Regulation (EC) No. 1272/2008 [CLP]
FIS P 300 T Component A (Mortar)	Eye Dam. 1, H318 Skin Sens. 1, H317
	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410



# **fischer EX** FIS P 300 T Component A (Mortar)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 03/02/2022 Revision date: 12/08/2024 Supersedes version of: 08/08/2022 Version: 2.1

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

#### 1.1. Product identifier

Product form Trade name UFI Article number

Mixture
 FIS P 300 T Component A (Mortar)
 HF00-Q072-M003-42AP

: M14

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

#### **Relevant identified uses**

Intended for general public Main use category Use of the substance/mixture

Industrial use, Professional use, Consumer usecomposite mortar

Distributor

Whitely Road

fischer fixings UK Ltd.

Oxon OX10 9AT Wallingford

United Kingdom of Great Britain and Northern Ireland

T +44 14 91 82 79 00, F +44 14 91 82 79 53 info@fischer.co.uk, www.fischer.co.uk

#### Uses advised against

Restrictions on use

: Observe technical data sheet

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

Manufacturer fischerwerke GmbH & Co. KG Klaus-Fischer-Straße 1 72178 Waldachtal Germany T +49(0)7443 12-0, F +49(0)7443 12-4222 info-sdb@fischer.de, www.fischer.de

#### 1.4. Emergency telephone number

Emergency number

: +49(0)6132-84463 (24h)

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

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

Eye Dam. 1	H318
Skin Sens. 1	H317
Full text of hazard classes, H- and EUH-statements: see section	on 16

## Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP)

: GHS05 GHS07 : Danger

Signal word (CLP) Contains Hazard statements (CLP)

Precautionary statements (CLP)

- : 1,4-butanediol dimethacrylate;Hydroxypropyl methacrylate;portland cement
- : H317 May cause an allergic skin reaction. H318 - Causes serious eye damage.
- : P101 If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

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 or doctor.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component				
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	Calcium carbonate (1317-65-3)			

## **SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sand (Quartz) substance with a Community workplace exposure limit	CAS-No.: 14808-60-7 EC-No.: 238-878-4	≥ 30 - < 40	Not classified
Calcium carbonate substance with national workplace exposure limit(s) (GB)	CAS-No.: 1317-65-3 EC-No.: 215-279-6	≥ 30 - < 40	Not classified
Hydroxypropyl methacrylate	CAS-No.: 27813-02-1 EC-No.: 248-666-3 REACH-no: 01-2119490226-37	≥ 5 – < 10	Eye Irrit. 2, H319 Skin Sens. 1B, H317
1,4-butanediol dimethacrylate	CAS-No.: 2082-81-7 EC-No.: 218-218-1 REACH-no: 01-2119967415-30	≥ 5 – < 10	Skin Sens. 1B, H317
portland cement substance with national workplace exposure limit(s) (GB)	CAS-No.: 65997-15-1 EC-No.: 266-043-4	≥ 5 – < 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

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

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.

#### Symptoms/effects after skin contact Symptoms/effects after eye contact

: Serious damage to eyes.

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

Treat symptomatically.

SECTION 5: Firefighting measures				
5.1. Extinguishing media				
<b>O</b> 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 -	. –		

Suitable extinguishing media Unsuitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide.Strong water jet.

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

Hazardous decomposition products in case of fire

: Toxic fumes may be released.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 5.3. Advice for firefighters

Protection during firefighting

Other information

- : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- : Do not allow water used to extinguish fire to enter drains, ground or waterways. Avoid direct discharge into drains.

## SECTION 6: Accidental release measures

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

For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	

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

Methods for cleaning up Other information	Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 13.

SECTION 7: Handling and stora	ge
7.1. Precautions for safe handling	
Additional hazards when processed	Not expected to present a significant hazard under anticipated conditions of normal use. In the event that dust and/or fine particles are generated with this product, it is prudent to minimize prolonged inhalation exposure to these forms not to exceed the occupational exposure limit.
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

: Store in a well-ventilated place. Keep cool.

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

Storage conditions

## 7.3. Specific end use(s)

No additional information available

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## National occupational exposure and biological limit values

portland cement (65997-15-1	
United Kingdom - Occupational Exposure I	Limits
Local name	Portland cement
WEL TWA (OEL TWA)	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable dust
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Sand (Quartz) (14808-60-7)				
EU - Indicative Occupational Exposure Limit (IOEL)				
Local name Silica crystaline (Quartz)				
IOEL TWA	0.05 mg/m <sup>3</sup> (respirable dust)			
Remark	(Year of adoption 2003)			
Regulatory reference SCOEL Recommendations				
Calcium carbonate (1317-65-3)				
United Kingdom - Occupational Exposure Limits				
Local name	Calcium carbonate (Limestone, Marble)			
WEL TWA (OEL TWA)	10 mg/m <sup>3</sup> total inhalable 4 mg/m <sup>3</sup> respirable			
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE			

### 8.2. Exposure controls

## Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

## Personal protection equipment

Personal protective equipment symbol(s):



#### Eye and face protection

Eye protection: Safety glasses

#### **Skin protection**

Skin and body protection: Wear suitable protective clothing

#### Hand protection:

Protective gloves

Hand protection						
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard	
Disposable gloves	Nitrile rubber (NBR), Butyl rubber	2 (> 30 minutes)				

## **Respiratory protection**

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### **Environmental exposure controls**

#### Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and	chemical p	roperties
-------------------------	------------	-----------

## 9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	light brown.
Appearance	:	Paste.
Odour	:	slight.

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

- · · · · ·	
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: >100 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not applicable - Practically insoluble in : Water
pH solution	: Nicht anwendbar - Praktisch unlöslich in: Wasser
Viscosity, kinematic	: 60526.316 – 82352.941 mm²/s
Viscosity, dynamic	: 115000 – 140000 mPa·s 20 °C
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.7 – 1.9 g/ml at 20 °C
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

## 9.2. Other information

No additional information available

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# SECTION 11: Toxicological information

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

Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	Not classified     Not classified     Not classified     Not classified
1,4-butanediol dimethacrylate (2082-81-7)	
LD50 oral rat	10066 mg/kg bodyweight (OECD 401 method)
LD50 dermal rabbit	> 3000 mg/kg bodyweight
Hydroxypropyl methacrylate (27813	-02-1)
LD50 oral rat	> 2000 mg/kg bodyweight (OECD-Methode 401)
LD50 dermal rabbit	> 5000 mg/kg bodyweight

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

dese         dese <t< th=""><th>portland cement (65997-15-1)</th><th></th></t<>	portland cement (65997-15-1)	
Skin corrosion/initiation       i Not classified pri Not applicable - Practically insoluble in : Water         portland cement (65997-15-1)       i I         pi H       12         Serious eye damage.initiation       : Cruuses serious eye damage. pri Not applicable - Practically insoluble in : Water         portland cement (65997-15-1)       i I         pi H       12         Respiratory or skin sensitisation       : May cause an allergic skin reaction.         Gem cal mutagenicity       : Not classified         Carcinogenicity       : Not classified         Gam cal mutagenicity       : Not classified         Stort-single exposure       : Not classified         STOT-single exposure       : Not classified         1.4-butanodiol dimothacrylate (2082-81-7)       IOAEC (inhelation, rat, gas, 90 days)         Sto ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhelation Toxicity: 90-Day Study         NOAEL (crai, rat, 90 days)       300 ppm rat (OECD 413 method) 90 d         300 mg/k bodyweight Arimal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screeni	LD50 dermal rabbit	> 2000 mg/kg bodyweight Neither mortality nor clinical signs of toxicity were observed with the given dose
p+1: Not applicable - Practically insoluble in : Water           portland coment (65997-15-1)           pH         12           Scious aya damaga/inflation         : Causes serious eya damaga. pH: Not applicable - Practically insoluble in : Water           portland coment (65997-15-1)         I2           Respiratory or skin sensilisation         : May cause an allergic skin reaction.           Sam cell mutagenicity         : Not classified           Carcinogenicity         : Not classified           Sam cell mutagenicity         : Not classified           Sam cell mutagenicity         : Not classified           Sam cell mutagenicity         : Not classified           Sam cell quarts (14808-60-7)         May cause respiratory inflation.           IARC group         1 - Carcinogenic to humans           Reproductive toxicity         : Not classified           STOT-ingle exposure         : Not classified           STOT-ingle exposure         : Not classified           IA-L+Latenetiol dimethacrylate (2082-81-7)         IACE (inhalation, rat, gas, 80 days)           DAEE (inhalation, rat, gas, 80 days)         300 pm rat (OECD 131 method) 90 d           NOAEE (oral, rat, 90 days)         300 pm rat (OECD 131 method) 90 d           NOAEE (inhalation, rat, gas, 80 days)         300 pm rat (OECD 131 method) 90 d           NOAEE	LC50 Inhalation - Rat	> 5 g/m <sup>3</sup> Neither mortality nor clinical signs of toxicity were observed with the given dose
pH       12         Serious eye damage/irritation       : Causes serious eye damage. pH: Not applicable - Practically insoluble in : Water         ppriland cement (65997-15-1)       12         pH       12         Respiratory or skin sensitisation       : May cause an allergic skin reaction. Gam cell mutagenicity         Sam cell mutagenicity       : Not classified         Saranicogenicity       : Not classified         Sand (Quartz) (14808-60-7)       1 - Carcinogenic to humans         Reproductive toxicity       : Not classified         STOT-singe exposure       : Not classified         May cause respiratory irritation.       : Stop ma himal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose	Skin corrosion/irritation	
Gauses serious eye damage. pH: Nxt applicable - Practically insoluble in : Water         portland cement (65997-15-1)         pH       12         Respiratory or skin sensitisation       : May cause an allergic skin reaction.         Gam cell mutagenicity       : Not classified         Sarcinogenicity       : Not classified         StoTr-single exposure       : Not classified         STOT-single exposure       : Not classified         StoTr-repeated exposure       : Not classified         1.4-butanedIol dimethacrylate (2082-81-7)       EACC [inhalation, rat, gas, 90 days)         Sa0 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         LOAEC (inhalation, rat, gas, 90 days)       300 ppm rati (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 ppm	portland cement (65997-15-1)	
pH: Not applicable - Practically insoluble in : Water         portland cement (65997-15-1)         pH       12         Respiratory or skin sensitisation       : Not classified         Same cell mutagenicity       : Not classified         Some cell mutagenicity       : Not classified         Stor :-single exposure       : Not classified         Stor :-single exposure       : Not classified         Stor:-respected exposure       : Not classified         Stor:-respected exposure       : Not classified         I.4-butanediol dimethacrylate (2082-81-7)       ELOAEC (inhalation, rat, gas, 90 days)         Stor:-respected exposure       : Not classified         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Stud: Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) <td< td=""><td>рН</td><td>12</td></td<>	рН	12
pH       12         Respiratory or skin sensitisation       :       May cause an allergic skin reaction.         Gern del mutagenicity       :       Not classified         Carcinogenicity       :       Not classified         Carcinogenicity       :       Not classified         Sand (Quartz) (14808-60-7)       I- Carcinogenic to humans         Reproductive toxicity       :       Not classified         STOT-single seposure       :       Not classified         STOT-single seposure       :       Not classified         1.4-butanediol dimethacrylate (2082-81-7)       ILOAEC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study         NOAEC (inhalation, rat, gas, 90 days)       100 ppm rat (OECD 413 method) 90 d         NOAEC (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic	Serious eye damage/irritation	
Asspiratory or skin sensitisation       :       May cause an allergic skin reaction.         Germ cell mutagenicity       :       Not classified         Sand (Quart2) (14808-60-7)       I       Carcinogenic to humans         Rec group       1 - Carcinogenic to humans         Reproductive toxicity       :       Not classified         STOT-single exposure       :       Not classified         portland cement (65997-15-1)       STOT-single exposure       May cause respiratory irritation.         STOT-single exposure       May cause respiratory irritation.         STOT-repeated exposure       :       Not classified         1.4-butanediol dimethacrylate (2082-81-7)       LOAEC (inhalation, rat, gas, 90 days)       350 pm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)       LOAEC (inhalation, rat, gas, 90 days)       300 pm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 pm rat (OECD 413 method) 90 d       300 pm nimal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       300 pm rat (OECD 413 met	portland cement (65997-15-1)	
Berm cell mutagenicity       : Not classified         Sand (Quartz) (14808-60-7)       I - Carcinogenic to humans         RAC group       1 - Carcinogenic to humans         Seproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-single exposure       May cause respiratory irritation.         STOT-repeated exposure       : Not classified         1.4-butanediol dimethacrylate (2082-81-7)       It diassified         LOAEC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Pay Study         NOAEL (oral, rat, 90 days)       300 mg/k bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 pm grk bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       300 pm rat (OECD 413 method) 90 d         NOAEC (inhalation, rat, gas, 90 days)       300 pm nimal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Pay Study Remarks on results: other:         NOAEC (inhalation, rat, gas, 90 days)       300 pm rat (OECD 413 method) 90 d         NOAEC (inhalation, rat, gas, 90 days)       300 pm nimal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Pay Stu	рН	12
Carcinogenicity       i       Not classified         Sand (Quartz) (14808-60-7)       I       Carcinogenic to humans         Reproductive toxicity       i       Not classified         STOT-single exposure       i       Not classified         STOT-single exposure       May cause respiratory irritation.         STOT-single exposure       May cause respiratory irritation.         STOT-single exposure       Not classified         1,4-butanediol dimethacrylate (2082-81-7)       LOAEC (inhalation, rat, gas, 90 days)         LOAEC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Studt)         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)       LOAEC (inhalation, rat, gas, 90 days)         NOAEL (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEC (inhalation, rat, gas, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEC (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated D	Respiratory or skin sensitisation	i : May cause an allergic skin reaction.
Sand (Quartz) (14808-60-7)         IARC group       1 - Carcinogenic to humans         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         portland cement (65997-15-1)       STOT-single exposure         STOT-repeated exposure       : Not classified         1,4-butanediol dimethacrylate (2082-81-7)       Stot classified         LOAEC (inhalation, rat, gas, 90 days)       360 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)       Stot ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Stud; Remarks on results: other:         NoAEC (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Gui	Serm cell mutagenicity	: Not classified
IARC group       1 - Carcinogenic to humans         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         portland cement (65997-15-1)       STOT-single exposure         STOT-repeated exposure       : Not classified         1.4-butanediol dimethacrylate (2082-81-7)       Image: Stot Classified         LOACC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Stud; 300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         LOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method 90 d         NOAEL (oral, rat, 90 days)       300 ppm rat (OECD 413 method 90 d         NOAEL (inhalation, rat, gas, 90 days)       300 ppm rat: (OECD 413 method) 90 d         NOAEL (inhalation, rat, gas, 90 days)       300 ppm rat: (OECD 413 method) 90 d         NOAEL (inhalation, rat, gas, 90 days)       300 ppm rat: (OECD 413 method) 90 d         NOAEL (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Stude method repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Stude method Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Stude method repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Stude method Repeated Dose Toxicity Stude me	Carcinogenicity	: Not classified
Reproductive toxicity       :       Not classified         STOT-single exposure       :       Not classified <b>portland cement (65997-15-1)</b> STOT-single exposure       May cause respiratory irritation.         STOT-single exposure       :       Not classified <b>1.4-butanediol dimethacrylate (2082-81-7)</b> Image: Comparison of the comparison of th	Sand (Quartz) (14808-60-7)	
STOT-single exposure       : Not classified         portland cement (65997-15-1)         STOT-single exposure       May cause respiratory irritation.         STOT-single exposure       : Not classified         1,4-butanediol dimethacrylate (2082-81-7)       Image: Stop Stop Stop Stop Stop Stop Stop Stop	IARC group	1 - Carcinogenic to humans
portland cement (65997-15-1)         STOT-single exposure       May cause respiratory irritation.         STOT-repeated exposure       : Not classified         1,4-butanediol dimethacrylate (2082-81-7)         LOAEC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Stude 300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)         LOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEC (inhalation, rat, gas, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         kspiration hazard       : Not classified         FIS P 300 T Component A (Mortar)       60526.316 – 82352.941 mm²/s         Viscosity, kinematic       6.529 mm²/s 20°C         Hydroxypropyl methacrylate (	Reproductive toxicity	: Not classified
STOT-single exposure       May cause respiratory irritation.         STOT-repeated exposure       : Not classified         1,4-butanediol dimethacrylate (2082-81-7)         LOAEC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study 300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)         LOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 ppm nanimal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       300 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       : Not classified         FIS P 300 T Component A (Mortar)       60526.316 – 82352.941 mm²/s         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (27813-02-1)       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)       5.29 mm²/s 20°C	STOT-single exposure	: Not classified
STOT-repeated exposure       : Not classified         1,4-butanediol dimethacrylate (2082-81-7)         LOAEC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)         LOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       : Not classified         FIS P 300 T Component A (Mortar)       Viscosity, kinematic         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)       Viscosity, kinematic         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02	portland cement (65997-15-1)	
1,4-butanediol dimethacrylate (2082-81-7)         LOAEC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Stude 300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)         LOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       Not classified         FIS P 300 T Component A (Mortar)       60526.316 – 82352.941 mm²/s         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)       5.29 mm²/s 20°C	STOT-single exposure	May cause respiratory irritation.
LOAEC (inhalation, rat, gas, 90 days)       350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)         LOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       300 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       Not classified         FIS P 300 T Component A (Mortar)       60526.316 – 82352.941 mm²/s         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)       Viscosity, kinematic         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)       Formation Component (27813-02-1)	STOT-repeated exposure	: Not classified
NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)         LOAEC (inhalation, rat, gas, 90 days)       300 pm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       100 pm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       : Not classified         FIS P 300 T Component A (Mortar)       60526.316 – 82352.941 mm²/s         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)       Viscosity, kinematic         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)       Imm²/s	1,4-butanediol dimethacrylate (2	2082-81-7)
Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         Hydroxypropyl methacrylate (27813-02-1)         LOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       : Not classified         FIS P 300 T Component A (Mortar)       Viscosity, kinematic         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)       Viscosity, kinematic         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)       Fine Patient	LOAEC (inhalation, rat, gas, 90 days)	350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
LOAEC (inhalation, rat, gas, 90 days)       300 ppm rat (OECD 413 method) 90 d         NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       : Not classified         FIS P 300 T Component A (Mortar)         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)	NOAEL (oral, rat, 90 days)	
NOAEL (oral, rat, 90 days)       300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)       100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       :       Not classified         FIS P 300 T Component A (Mortar)       60526.316 – 82352.941 mm²/s         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)       60526.316 – 82352.941 mm²/s	Hydroxypropyl methacrylate (27	813-02-1)
Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)         NOAEC (inhalation, rat, gas, 90 days)         100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study Remarks on results: other:         Aspiration hazard       : Not classified         FIS P 300 T Component A (Mortar)         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)	LOAEC (inhalation, rat, gas, 90 days)	300 ppm rat (OECD 413 method) 90 d
Remarks on results: other:         Aspiration hazard       : Not classified         FIS P 300 T Component A (Mortar)         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)	NOAEL (oral, rat, 90 days)	
FIS P 300 T Component A (Mortar)         Viscosity, kinematic       60526.316 – 82352.941 mm²/s         1,4-butanediol dimethacrylate (2082-81-7)         Viscosity, kinematic       5.29 mm²/s 20°C         Hydroxypropyl methacrylate (27813-02-1)	NOAEC (inhalation, rat, gas, 90 days)	100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Remarks on results: other:
Viscosity, kinematic         60526.316 – 82352.941 mm²/s           1,4-butanediol dimethacrylate (2082-81-7)         Viscosity, kinematic           Viscosity, kinematic         5.29 mm²/s 20°C           Hydroxypropyl methacrylate (27813-02-1)         Viscosity	Aspiration hazard	Not classified
1,4-butanediol dimethacrylate (2082-81-7)       Viscosity, kinematic       5.29 mm²/s 20°C       Hydroxypropyl methacrylate (27813-02-1)	FIS P 300 T Component A (Morta	ır)
Viscosity, kinematic 5.29 mm²/s 20°C Hydroxypropyl methacrylate (27813-02-1)	Viscosity, kinematic	60526.316 – 82352.941 mm²/s
Hydroxypropyl methacrylate (27813-02-1)	1,4-butanediol dimethacrylate (2	2082-81-7)
	Viscosity, kinematic	5.29 mm <sup>2</sup> /s 20°C
	Hydroxypropyl methacrylate (27	813-02-1)
viscosity, kinematic [8.88 mm/s (20°C) (DIN 51562)	Viscosity, kinematic	8.88 mm²/s (20°C) (DIN 51562)

## 11.2. Information on other hazards

No additional information available

# **SECTION 12: Ecological information**

## 12.1. Toxicity

## Ecology - general

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) : Not classified

: Not classified

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

1,4-butanediol dimethacrylate (2082-81-7)		
EC50 - Crustacea [1]	28.4 mg/l Daphnia magna (Water flea)	
EC50 72h - Algae [1]	9.79 mg/l Desmodesmus subspicatus	
LOEC (chronic)	13.5 mg/l Daphnia magna (Water flea) 21 d	
NOEC chronic crustacea	5.09 mg/l Daphnia magna (Water flea)	
NOEC chronic algae	4.97 mg/l Desmodesmus subspicatus	
Hydroxypropyl methacrylate (27813-02-1)		
	- 1)	
LC50 - Fish [1]	493 mg/l Leuciscus idus (golden orfe) 48 h	
LC50 - Fish [1]	493 mg/l Leuciscus idus (golden orfe) 48 h	
LC50 - Fish [1] EC50 - Crustacea [1]	493 mg/l Leuciscus idus (golden orfe) 48 h > 143 mg/l Daphnia magna (Water flea), (OECD 202 method)	

## 12.2. Persistence and degradability

FIS P 300 T Component A (Mortar)			
Persistence and degradability	Not rapidly degradable		
1,4-butanediol dimethacrylate (2082-81	-7)		
Persistence and degradability	Rapidly degradable		
Hydroxypropyl methacrylate (27813-02-1)			
Persistence and degradability	Rapidly degradable		
portland cement (65997-15-1)	portland cement (65997-15-1)		
Persistence and degradability	Not rapidly degradable		
Sand (Quartz) (14808-60-7)			
Persistence and degradability	Not rapidly degradable		
Calcium carbonate (1317-65-3)			
Persistence and degradability	Not rapidly degradable		

## 12.3. Bioaccumulative potential

1,4-butanediol dimethacrylate (2082-81-7)	
Partition coefficient n-octanol/water (Log Pow) 3.1 20°C	
Hydroxypropyl methacrylate (27813-02-1)	
Partition coefficient n-octanol/water (Log Pow)	0.97 literature

#### 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Product/Packaging disposal recommendations	: Only pass on empty containers/packaging for recycling.
Additional information	: Not classified as hazardous waste when part A and part B are mixed and are fully cured.
European List of Waste (LoW, EC 2000/532)	: 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances
	20 01 27* - paint, inks, adhesives and resins containing dangerous substances

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA		
ADR	IMDG	ΙΑΤΑ
14.1. UN number or ID number		
Not regulated for transport		
14.2. UN proper shipping name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available	•	

No supplementary information available

## 14.6. Special precautions for user

Overland transport Not regulated

Transport by sea Not regulated

Air transport Not regulated

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

Not applicable

## **SECTION 15: Regulatory information**

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

## EU-Regulations

## REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

## REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

## REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

## PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

## POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

## Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

## Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Abbreviations and	acronyms:
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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H335	May cause respiratory irritation.	

# Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Dam. 1 H3	318	Calculation method
Skin Sens. 1 H3	317	Calculation method

#### The classification complies with

: ATP 12

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

# **fischer EX** FIS P 300 T Component B (Hardener)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 24/09/2021 Revision date: 10/09/2024 Supersedes version of: 12/08/2024 Version: 2.4

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

#### 1.1. Product identifier

Product form Trade name UFI Article number

- Mixture
  FIS P 300 T Component B (Hardener)
  5DA0-E094-400G-VNX5
- : M79

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

#### Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

Industrial use,Professional use,Consumer usecomposite mortar

Distributor

Whitely Road

fischer fixings UK Ltd.

Oxon OX10 9AT Wallingford

United Kingdom of Great Britain and Northern Ireland

T +44 14 91 82 79 00, F +44 14 91 82 79 53

info@fischer.co.uk, www.fischer.co.uk

#### Uses advised against

Restrictions on use

· Observe technical data sheet

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

Manufacturer fischerwerke GmbH & Co. KG Klaus-Fischer-Straße 1 72178 Waldachtal Germany T +49(0)7443 12-0, F +49(0)7443 12-4222 info-sdb@fischer.de, www.fischer.de

## 1.4. Emergency telephone number

Emergency number

: +49(0)6132-84463 (24h)

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H3	819
Skin Sens. 1 H3	317
Aquatic Acute 1 H4	100
Aquatic Chronic 1 H4	10
Full text of hazard classes, H- and EUH-statements: see section 1	6

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP) Contains Hazard statements (CLP)

Precautionary statements (CLP)



Warning

: 2-methylisothiazol-3(2H)-one;dibenzoyl peroxide

: H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H410 - Very toxic to aquatic life with long lasting effects.

- : P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P280 Wear eye protection, protective gloves.
- P501 Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

	Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII		ethanediol; ethylene glycol (107-21-1)
	Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	ethanediol; ethylene glycol (107-21-1)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dibenzoyl peroxide substance with national workplace exposure limit(s) (GB)	CAS-No.: 94-36-0 EC-No.: 202-327-6 EC Index-No.: 617-008-00-0 REACH-no: 01-2119511472-50	≥ 10 – < 15	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
ethanediol; ethylene glycol substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 107-21-1 EC-No.: 203-473-3 EC Index-No.: 603-027-00-1 REACH-no: 01-2119456816-28	≥5-<10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT RE 2, H373
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	≥ 0.0015 - < 0.01	Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 2 (Inhalation), H330 (ATE=0.384 mg/l/4h) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH071

Specific concentration limits:				
Name	Product identifier	Specific concentration limits (%)		
	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	(0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317		
Full task of LL and FLUL atotements, and partice 16				

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

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures after inhalation First-aid measures after skin contact	<ul> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.</li> </ul>
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Symptoms/effects after skin contact Symptoms/effects after eye contact

- : Irritation. May cause an allergic skin reaction.: Serious damage to eves.
- 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 : Water spray. Dry powder. Foam. Unsuitable extinguishing media : Strong water jet. 5.2. Special hazards arising from the substance or mixture Hazardous decomposition products in case of fire : Toxic fumes may be released. 5.3. Advice for firefighters Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Other information : Do not allow water used to extinguish fire to enter drains, ground or waterways. Avoid direct discharge into drains.

SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipment and emergency procedures				
For non-emergency personnel				
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.			
For emergency responders				
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".			
6.2. Environmental precautions				
Avoid release to the environment.				
6.3. Methods and material for containment	and cleaning up			
Methods for cleaning up Other information	<ul><li>Mechanically recover the product.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>			
6.4. Reference to other sections				
For further information refer to section 13.				
SECTION 7: Handling and storage				
7.1. Precautions for safe handling				
Additional hazards when processed	Not expected to present a significant hazard under anticipated conditions of normal use. In the event that dust and/or fine particles are generated with this product, it is prudent to minimize prolonged inhalation exposure to these forms not to exceed the occupational exposure limit.			
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapours.			
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the			

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

Storage conditions

: Store in a well-ventilated place. Keep cool.

product.

## 7.3. Specific end use(s)

No additional information available

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## National occupational exposure and biological limit values

dibenzoyl peroxide (94-36-0)			
United Kingdom - Occupational Exposure Limits			
Local name	Dibenzoyl peroxide		
WEL TWA (OEL TWA)	5 mg/m <sup>3</sup>		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		
ethanediol; ethylene glycol (107-21-1)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	Ethylene glycol		
IOEL TWA	52 mg/m <sup>3</sup>		
	20 ppm		
IOEL STEL	104 mg/m³		
	40 ppm		
Remark	Skin		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		
United Kingdom - Occupational Exposure Limits			
Local name	Ethane-1,2-diol		
WEL TWA (OEL TWA)	10 mg/m³ particulate 52 mg/m³ vapour		
	20 ppm vapour		
WEL STEL (OEL STEL)	104 mg/m³ vapour		
	40 ppm vapour		
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)		
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE		

#### 8.2. Exposure controls

Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

Personal protective equipment symbol(s):



#### Eye and face protection

Eye protection: Safety glasses

# Skin protection

## Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves. Breakthrough time : refer to the recommendations of the supplier. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR), Butyl rubber	2 (> 30 minutes)			

#### **Respiratory protection**

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

## Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## **SECTION 9: Physical and chemical properties**

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

Physical state	: Solid
Colour	: Black.
Appearance	: Paste.
Odour	: slight.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: > 100 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
рН	: Not available
pH solution	: Not available
Viscosity, kinematic	: 37500 – 42857.143 mm²/s
Viscosity, dynamic	: > 60000 mPa·s
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.4 – 1.6 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

## 9.2. Other information

No additional information available

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

## 10.5. Incompatible materials

No additional information available

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

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

	Not classified			
Acute toxicity (dermal) :	Not classified			
Acute toxicity (inhalation) :	Not classified			
2-methylisothiazol-3(2H)-one (2682-20-4)				
LC50 Inhalation - Rat	0.384 mg/l (OECD 403 method)			
dibenzoyl peroxide (94-36-0)				
LD50 oral rat	> 5000 mg/kg (OECD 401 method)			
LC50 Inhalation - Rat	> 24.3 mg/l (OECD 403 method)			
ethanediol; ethylene glycol (107-21-1)				
LD50 oral rat	7712 mg/kg			
LD50 dermal	> 3500 mg/kg mouse			
Skin corrosion/irritation :	Not classified			
2-methylisothiazol-3(2H)-one (2682-20	-4)			
pH	2.58 Temp.: 25 °C Concentration: 50 g/L			
Serious eye damage/irritation :	Causes serious eye irritation.			
2-methylisothiazol-3(2H)-one (2682-20-4)				
рН	2.58 Temp.: 25 °C Concentration: 50 g/L			
Respiratory or skin sensitisation :	May cause an allergic skin reaction.			
Germ cell mutagenicity :	Not classified			
Carcinogenicity :	Not classified			
Reproductive toxicity :	Not classified			
STOT-single exposure :	Not classified			
STOT-repeated exposure :	Not classified			
ethanediol; ethylene glycol (107-21-1)				
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight/day			
STOT-repeated exposure	May cause damage to organs (kidneys) through prolonged or repeated exposure (if swallowed).			
Aspiration hazard :	Not classified			
FIS P 300 T Component B (Hardener)				
Viscosity, kinematic	37500 – 42857.143 mm²/s			

## 11.2. Information on other hazards

No additional information available

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

: Very toxic to aquatic life.

2-methylisothiazol-3(2H)-one (2682-20-4)	
LC50 - Fish [1]	4.77 mg/l (OECD 203 method)
EC50 - Crustacea [1]	0.934 mg/l (OECD 202 method)
EC50 72h - Algae [1]	0.103 mg/l (OECD 201 method)
NOEC chronic fish	4.93 mg/l (OECD 210 method)
NOEC chronic crustacea	0.044 mg/l (OECD 211 method)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-methylisothiazol-3(2H)-one (2682-20-4)		
NOEC chronic algae	0.05 mg/l (OECD 201 method)	
dibenzoyl peroxide (94-36-0)		
LC50 - Fish [1]	0.0602 mg/I Oncorhynchus mykiss (Rainbow trout)	
EC50 - Crustacea [1]	0.11 mg/l Daphnia magna (Water flea)	
EC50 72h - Algae [1]	0.06 mg/l	
ethanediol; ethylene glycol (107-21-1)		
LC50 - Fish [1]	> 72860 mg/l Pimephales promelas	
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Water flea)	
EC50 96h - Algae [1]	> 6500 mg/l Selenastrum capricornutum	
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d'	
NOEC chronic fish	15380 mg/l Pimephales promelas	
NOEC chronic crustacea	8590 mg/l Ceriodaphnia dubia	

## 12.2. Persistence and degradability

FIS P 300 T Component B (Hardener)		
Persistence and degradability	Not rapidly degradable	
2-methylisothiazol-3(2H)-one (2682-20-4)		
Persistence and degradability Rapidly degradable		
dibenzoyl peroxide (94-36-0)		
Persistence and degradability Not rapidly degradable		
ethanediol; ethylene glycol (107-21-1)		
Persistence and degradability Rapidly degradable		

## 12.3. Bioaccumulative potential

No additional information available

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

## Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	ethanediol; ethylene glycol (107-21-1)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	ethanediol; ethylene glycol (107-21-1)

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Product/Packaging disposal recommendations	: Only pass on empty containers/packaging for recycling.	
Additional information	: Not classified as hazardous waste when part A and part B are mixed and are fully cured.	

European List of Waste (LoW, EC 2000/532): 08 04

Not classified as hazardous waste when part A and part B are mixed and are runy cired.
 08 04 09\* - waste adhesives and sealants containing organic solvents or other dangerous substances

20 01 27\* - paint, inks, adhesives and resins containing digane solvents of one of

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

In accordance with ADR / IMDG / IATA		
ADR	IMDG	ΙΑΤΑ
Special provision(s) applied : 375	Special provision(s) applied : 969	Special provision(s) applied : A197
These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of the transport regulations provided the packagings meet the general provisions.		
14.1. UN number or ID number		
UN 3077	UN 3077	UN 3077
14.2. UN proper shipping name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	Environmentally hazardous substance, solid, n.o.s. (dibenzoyl peroxide)
Transport document description		
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (dibenzoyl peroxide), 9, III
14.3. Transport hazard class(es)		
9	9	9
14.4. Packing group		
III	Ш	Ш
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-A EmS-No. (Spillage): S-F	Dangerous for the environment: Yes
No supplementary information available		

## 14.6. Special precautions for user

Overland transport
Classification code (ADR)
Special provisions (ADR)
Limited quantities (ADR)
Excepted quantities (ADR)
Packing instructions (ADR)
Special packing provisions (ADR)
Mixed packing provisions (ADR)
Transport category (ADR)
Special provisions for carriage - Packages (ADR)
Orange plates

Tunnel restriction code (ADR)
EAC code

## Transport by sea

Special provisions (IMDG) Limited quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG)

## Air transport

PCA packing instructions (IATA)

•	JKY
:	E1
:	P002, IBC08, LP02, R001
:	PP12, B3
:	MP10
:	3
:	V13
:	90
	3077
:	-
:	2Z
:	0

: M7

: 5kg

: 956

: 274, 335, 375, 601

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

PCA max net quantity (IATA)
CAO packing instructions (IATA)
CAO max net quantity (IATA)
Special provisions (IATA)
ERG code (IATA)

400kg
956
400kg
A97, A158, A179, A197, A215
9L

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

Not applicable

## **SECTION 15: Regulatory information**

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

#### **EU-Regulations**

## **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

## **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

## Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.2. Chemical safety assessment

No additional information available

## **SECTION 16: Other information**

Abbreviations and acronyms:	
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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:			
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2		
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3		
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Org. Perox. B	Organic Peroxides, Type B		
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B		
Skin Sens. 1	Skin sensitisation, Category 1		
Skin Sens. 1A	Skin sensitisation, category 1A		
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2		
H241	Heating may cause a fire or explosion.		
H301	Toxic if swallowed.		
H302	Harmful if swallowed.		
H311	Toxic in contact with skin.		

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:			
H314	Causes severe skin burns and eye damage.		
H317	May cause an allergic skin reaction.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H330	Fatal if inhaled.		
H373	May cause damage to organs through prolonged or repeated exposure.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting effects.		
EUH071	Corrosive to the respiratory tract.		

# Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.