Safety Data Sheet

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

Issue date: 11/14/2022 Revision date: 11/14/2022 Version: 1.0

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

1.1. Product identifier

 Product form
 : Substance

 Trade name
 : Benzoic acid

 Chemical name
 : Benzoic acid

 IUPAC name
 : Benzoic acid

 EC-No.
 : 200-618-2

 CAS -No.
 : 65-85-0

 Formula
 : C7H6O2

REACH -No. : 01-2119455536-33-****

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

1.2.1. Relevant identified uses

Use of the substance/mixture : As latex, toothpaste, jam or other food antimicrobial agent, can also be used as a mordant

dyeing and printing colors, or used as pharmaceutical and dye intermediates, used for preparing plasticizer, and spices, as well as equipment, iron and steel anti rust agent.

1.2.2. Uses advised against

Restrictions on use : No information available

1.3. Details of the supplier of the safety data sheet

Supplier

Wuhan Youji Industries Co., Ltd

No.1, 2nd Chemical Road, Wuhan Chemical Industry Park

430082

T +86-027-83429706 - F +86-027-83429770

office@chinaorganic.com

Importer

Only Representative

REACH24H CONSULTING GROUP

Paramount Court, Corrig Road, Sandyford, Dublin 18, Ireland

T 86-0571-87007566 reach@reach24h.com

1.4. Emergency telephone number

Emergency number : +86-027-83429700

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 1 H318

Specific target organ toxicity – Repeated exposure, Category 1 H372 (lungs) (Inhalation)

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

Adverse physicochemical, human health and environmental effects

Causes damage to organs(lungs) through prolonged or repeated exposure(Inhalation). Causes skin irritation. Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms (CLP)





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Signal word (CLP) : Danger

Hazard statements (CLP) : H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H372 - Causes damage to organs(lungs) through prolonged or repeated

exposure(Inhalation).

Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

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

rotection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

POISON CENTER or doctor.

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

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

EUH-statements : None.

2.3. Other hazards

Other hazards which do not result in classification : No information available.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The substance is 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

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzoic acid	CAS-No.: 65-85-0 EC-No.: 200-618-2 EC Index-No.: 607-705-00-8	99 – 100	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 1, H372

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

3.2. Mixtures

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: Remove contaminated clothing and shoes. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. In the case of skin irritation or allergic reactions see a physician. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

First-aid measures after inhalation

: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact

: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

First-aid measures after eye contact

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

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advice/attention.

present and easy to do. Continue rinsing. If eye irritation persists: Get medical

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First-aid measures after ingestion

: Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

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

Symptoms/effects : No information available.

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 : Dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable extinguishing media : High volume water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Thermal decomposition can lead to the release of irritating gases and vapours. Carbon

monoxide. Carbon dioxide.

5.3. Advice for firefighters

Firefighting instructions : Evacuate personnel to a safe area. Move containers from fire area if it can be done without

personal risk. Cool containers / tanks with spray water if possible. Ensure adequate

ventilation, especially in confined areas. Stay upwind.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

o.i. reisonal precautions, protective equipment and emergency procedures

: Evacuate personnel to a safe area. Evacuate personnel to safe areas. Keep away from heat, sparks, flame and other sources of ignition. Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or

smoke when using this product. Wash thoroughly after handling.

6.1.1. For non-emergency personnel

Protective equipment Emergency procedures

General measures

: Wear proper protective equipment.

: Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. 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".

Emergency procedures : Stop leak if safe to do so. Evacuate personnel to a

: Stop leak if safe to do so. Evacuate personnel to a safe area. Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions

Avoid release to the environment. Do not flush into surface water or sewer system.

6.3. Methods and material for containment and cleaning up

For containment : Sweep or shovel spills into appropriate container for disposal.

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, flame and other sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation, especially in confined areas. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Hygiene measures

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a well-ventilated place. Keep cool. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Keep locked up and out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations.

7.3. Specific end use(s)

SDS section 1.2.1 - Additional text.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Benzoic acid (65-85-0)			
Germany - Occupational Exposure Limits (TRGS 900)			
AGW (OEL TWA) [1]	0.5 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
AGW (OEL TWA) [2]	0.1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		
Chemical category	Skin notation		
Latvia - Occupational Exposure Limits			
OEL TWA	5 mg/m³		
Slovenia - Occupational Exposure Limits			
OEL TWA	0.5 mg/m³		
OEL TWA [ppm]	0.1 ppm		
OEL STEL	2 mg/m³		
OEL STEL [ppm]	0.4 ppm		
OEL chemical category	Potential for cutaneous absorption		
Switzerland - Occupational Exposure Limits			
MAK (OEL TWA) [1]	1 mg/m³ (Alkali benzoates-aerosol, respirable dust, vapour) 10 mg/m³ (Alkali benzoates-aerosol, inhalable dust, vapour)		
MAK (OEL TWA) [2]	0.2 ppm (Alkali benzoates-aerosol, vapour)		
KZGW (OEL STEL)	4 mg/m³ (aerosol, respirable dust, vapour) 20 mg/m³ (aerosol, inhalable dust, vapour)		

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Benzoic acid (65-85-0)		
KZGW (OEL STEL) [ppm]	0.8 ppm (aerosol, vapour)	
OEL chemical category	Skin notation	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Benzoic acid (65-85-0)				
DNEL/DMEL (Workers)				
Long-term - systemic effects, dermal	62.5 mg/kg bodyweight/day			
Long-term - systemic effects, inhalation	3 mg/m³			
Long-term - local effects, inhalation	0.1 mg/m³			
DNEL/DMEL (General population)				
Long-term - systemic effects,oral	16.6 mg/kg bodyweight/day			
Long-term - systemic effects, inhalation	1.5 mg/m³			
Long-term - systemic effects, dermal	31.25 mg/kg bodyweight/day			
Long-term - local effects, inhalation	0.06 mg/m³			
PNEC (Water)	PNEC (Water)			
PNEC aqua (freshwater)	0.34 mg/l			
PNEC aqua (marine water)	0.034 mg/l			
PNEC aqua (intermittent, freshwater)	0.331			
PNEC (Sediment)				
PNEC sediment (freshwater)	1.75 mg/kg dwt			
PNEC sediment (marine water)	0.175 mg/kg dwt			
PNEC (Soil)				
PNEC soil	0.151 mg/kg dwt			
PNEC (STP)				
PNEC sewage treatment plant	100 mg/l			

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. Remove all sources of ignition.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

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8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

Thermal hazard protection:

Wear suitable protective clothing.

8.2.3. 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 : White.

Appearance : White scaly or needle-like crystals

Odour : Slight benzaldehyde odor

Odour threshold Not available 122 °C @101.3 kPa Melting point Freezing point Not applicable. Boiling point 249.2 °C 101.3 kPa Non flammable. Flammability Explosive properties Not explosive. Oxidising properties Not oxidising. Not applicable. Explosive limits Not applicable. Lower explosion limit

Upper explosion limit : Not applicable.

Flash point : Not applicable.

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available

1 2.8

pH solution : Not available
Viscosity, kinematic : Not applicable.
Solubility : Water: 3.5 g/l @20 °C

Partition coefficient n-octanol/water (Log Kow) : Not available

Partition coefficient n-octanol/water (Log Pow) : 1.88

Vapour pressure : 0.0011 hPa @20 °C Vapour pressure at 50 °C : Not available

Density : 1.321 g/cm3 @ 20 ℃
Relative density : 1.321 @ 20 ℃
Relative vapour density at 20 ℃ : Not applicable.
Particle size : Not available
Particle shape : Not available
Particle aspect ratio : Not available
Particle aspect ratio : Not available

Particle aggregation state : Not available
Particle agglomeration state : Not available
Particle specific surface area : Not available
Particle dustiness : Not available

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9.2. Other information

9.2.1. Information with regard to physical hazard classes

Surface tension : $67.5 \text{ mN/m} (20 ^{\circ} \text{ C}, 1000 \text{ mg/L})$

pKa : 4.19 (20 ° C)

9.2.2. Other safety characteristics

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

Dust could form explosive mixtures with air

10.4. Conditions to avoid

Heat, flames and sparks ; Heat, flames and sparks. Prevent formation of dust clouds. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing materials, reducing agents, bases, moisture, metals.

10.6. Hazardous decomposition products

Carbon monoxide; Carbon dioxide

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Benzoic acid (65-85-0)			
LD50 oral rat	2250 mg/kg		
LD50 dermal rat	> 2000 mg/kg		
LC50 Inhalation - Rat	> 12.2 mg/l/4h		
Benzoic acid (65-85-0)			
LD50 oral rat	1700 mg/kg		
LD50 dermal rabbit	> 10000 mg/kg		
LC50 Inhalation - Rat	> 12.2 mg/l/4h		

Skin corrosion/irritation : Causes skin irritation.

pH: 2.8

Serious eye damage/irritation : Causes serious eye damage.

pH: 2.8

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified

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STOT-single exposure	Not classified
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STOT-repeated exposure : Causes damage to organs(lungs) through prolonged or repeated exposure(Inhalation).

OTOT Topodica exposure	. Causes damage to organistratings) through prolonged or repeated exposure (initial attention).			
Benzoic acid (65-85-0)				
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight/day oral (subacute; rabbit)			
NOAEL (dermal, rat/rabbit, 90 days) 2500 mg/kg bodyweight/day dermal(subacute; rabbit)				
NOAEC (inhalation, rat, gas, 90 days) 250 mg/m³ inhalation (subacute; rat) Target organs: respiratory: lung				
Benzoic acid (65-85-0)				
STOT-repeated exposure	Causes damage to organs(lungs) through prolonged or repeated exposure(Inhalation).			
Assiration hazard	· Not aloosified			

Aspiration hazard : Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: The substance is 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

11.2.2. Other information

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. Not classified

Hazardous to the aquatic environment, short-term

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Benzoic acid (65-85-0)	
LC50 - Fish [1]	44.6 mg/l 96 h Lepomis macrochirus
EC50 - Crustacea [1]	> 100 mg/l 48 h Daphnia magna
EC50 72h - Algae [1]	> 33.1 mg/l 72 h Pseudokirchnerella subcapitata
NOEC chronic fish	120 mg/l 28 d Oncorhynchus mykiss
NOEC chronic crustacea	≥ 25.21 mg/l 21 d Daphnia magna
NOEC chronic algae	3.4 mg/l 72 h Pseudokirchnerella subcapitata

12.2. Persistence and degradability

Benzoic acid (65-85-0)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Benzoic acid (65-85-0)		
Partition coefficient n-octanol/water (Log Pow)	1.88	

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12.4. Mobility in soil

Benzoic acid (65-85-0)		
Surface tension	67.5 mN/m @20 °C, 1000 mg/L	
Mobility in soil	Half-life in soil: 0.84 d (20 °C) Koc: 15.49 (20 °C).	

12.5. Results of PBT and vPvB assessment

Benzoic acid (65-85-0)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The substance is 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.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods
Product/Packaging disposal recommendations

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID n	14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.2. UN proper shipping	g name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard o	class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available					

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14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail 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

15.1.1. EU-Regulations

REACH Candidate List (SVHC)

Benzoic acid is not on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Benzoic acid is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Benzoic acid is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Benzoic acid is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 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 drug precursors)

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

No information available.

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road

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ATE Acute Toxicity Estimate BCF Bioconcentration factor BLV Biological limit value BOD Biochemical oxygen demand (BOD) CCD Chemical oxygen demand (COD) DMEL Derived Minimal Effect level DNEL Derived-No Effect Level CC-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 dose LOAEL Lowest Observed Adverse Effect Level NOAEC No-Observed Adverse Effect Level NOAEC No-Observed Adverse Effect Level NOAEL 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 RDD Regulations concerning the International Carriage of Dangerous Goods by Rail	Abbreviations and acronyms:		
BILV 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 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	ATE	Acute Toxicity Estimate	
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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	LOAEL	Lowest 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	NOAEC	No-Observed Adverse 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	NOAEL	No-Observed Adverse Effect Level	
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	NOEC	No-Observed Effect Concentration	
PBT Persistent Bioaccumulative Toxic PNEC Predicted No-Effect Concentration RID Regulations concerning the International Carriage of Dangerous Goods by Rail SDS Safety Data Sheet	OECD	Organisation for Economic Co-operation and Development	
PNEC Predicted No-Effect Concentration RID Regulations concerning the International Carriage of Dangerous Goods by Rail SDS Safety Data Sheet	OEL	Occupational Exposure Limit	
RID Regulations concerning the International Carriage of Dangerous Goods by Rail SDS Safety Data Sheet	PBT	Persistent Bioaccumulative Toxic	
SDS Safety Data Sheet	PNEC	Predicted No-Effect Concentration	
	RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
OTP.	SDS	Safety Data Sheet	
Sewage treatment plant	STP	Sewage treatment plant	
ThOD Theoretical oxygen demand (ThOD)	ThOD	Theoretical oxygen demand (ThOD)	
TLM Median Tolerance Limit	TLM	Median Tolerance Limit	
VOC Volatile Organic Compounds	voc	Volatile Organic Compounds	
CAS-No. Chemical Abstract Service number	CAS-No.	Chemical Abstract Service number	
N.O.S. Not Otherwise Specified	N.O.S.	Not Otherwise Specified	
vPvB Very Persistent and Very Bioaccumulative	vPvB	Very Persistent and Very Bioaccumulative	
ED Endocrine disrupting properties	ED	Endocrine disrupting properties	

 Version:
 : 1.0

 Issue date
 : 11/14/2022

 Revision date
 : 11/14/2022

Data sources : LOLI. ECHA reference.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the

packaging.

Other information : No information available.

Safety Data Sheet

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

Full text of H- and EUH-statements:		
	None	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H372	Causes damage to organs(lungs) through prolonged or repeated exposure(Inhalation).	

Safety Data Sheet (SDS), EU

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.

