

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 SAP: 966.942.00.0(02) Issue date: 27/04/2023 Revision date: 27/04/2023 Version: 1.01

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

1.1. Product identifier

Product form Trade name UFI : Mixture : Geberit AquaClean : 6DTH-80DR-U20D-02C3

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

1.2.1. Relevant identified uses

Intended for general public Use of the substance/mixture

: Descaler

1.2.2. Uses advised against

Restrictions on use

: The product should not be used in combination with other cleaning / descaling agents.

1.3. Details of the supplier of the safety data sheet

Supplier

Geberit International AG Schachenstrasse 77 CH– CH-8645 Jona Switzerland T +41 (0) 55 221 63 00 - F +41 (0) 55 221 67 47 www.geberit.com

Manufacturer

Düring AG Brunnenwiesenstrasse 14 CH– 8108 Dällikon Switzerland T +41 (0) 44 847 27 47 - F +41 (0) 44 844 38 90 info@dueringag.ch - http://www.dueringag.ch/

1.4. Emergency telephone number

Emergency number

Supplier Geberit Vertriebs GmbH Theuerbachstraße 1 DE– DE-88630 Pfullendorf GERMANY T +49 (0) 7552 934 1011 msds@geberit.com

Email competent person

sds@kft.de

: National Health Service (NHS) 24 hour national number consumer England and Scotland: 111 Wales: 0845 46 47 Northern Ireland: call your local General Practitioner

Call 999 if there is a life-threatening incident.

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 2	H319
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation.

Safety Data Sheet

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

·

2.2. Label elements

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

Hazard pictograms (CLP)

	GHS07
Signal word (CLP)	: Warning
Contains	: Phosphoric acid
Hazard statements (CLP)	: H290 - May be corrosive to metals.
	H302 - Harmful if swallowed.
	H315 - Causes skin irritation.
	H319 - Causes serious eye irritation.
Precautionary statements (CLP)	: P102 - Keep out of reach of children.
	P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
	contact lenses, if present and easy to do. Continue rinsing.
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P337+P313 - If eye irritation persists: Get medical advice/attention.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

Component	
Phosphoric acid (7664-38-2)	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
Hydrochloric acid (7647-01-0)	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

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 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 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments

: Aqueous mixture based on :

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phosphoric acid substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit (Note B)	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924- 24-xxxx	≥ 20 – < 25	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318
Hydrochloric acid substance with national workplace exposure limit(s) (GB) (Note B)	CAS-No.: 7647-01-0 EC-No.: 231-595-7 EC Index-No.: 017-002-01-X REACH-no: 01-2119484862- 27-xxxx	≥ 2.5 – < 5	Met. Corr. 1, H290 Skin Corr. 1A, H314 STOT SE 3, H335

Safety Data Sheet

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

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
Phosphoric acid	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924- 24-xxxx	(10 ≤C < 25) Eye Irrit. 2, H319 (10 ≤C < 25) Skin Irrit. 2, H315 (25 ≤C < 100) Skin Corr. 1B, H314	
Hydrochloric acid	CAS-No.: 7647-01-0 EC-No.: 231-595-7 EC Index-No.: 017-002-01-X REACH-no: 01-2119484862- 27-xxxx	(0.1 ≤C < 100) Met. Corr. 1, H290 (10 ≤C < 100) STOT SE 3, H335 (10 ≤C < 25) Eye Irrit. 2, H319 (10 ≤C < 25) Skin Irrit. 2, H315 (25 ≤C < 100) Skin Corr. 1B, H314	

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis. 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 general	In all cases of doubt, or when symptoms persist, seek medical attention. Immediately remove contaminated clothing or footwear. If possible show this sheet, if not available show packaging or label.
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 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. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Rinse mouth out with water. Do NOT induce vomiting.

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

Symptoms/effects after skin contact	:	Irritation.
Symptoms/effects after eye contact	:	Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. : Strong water jet.	
5.2. Special hazards arising from the subst	tance or mixture	
Fire hazard Reactivity in case of fire Hazardous decomposition products in case of fire	 Non flammable. If there is a fire close by, use suitable extinguishing agents. Very flammable gas (hydrogen)may be formed on contact with metals. Toxic fumes may be released. 	
5.3. Advice for firefighters		
Firefighting instructions	: Cool down the containers exposed to heat with a water spray.	

Safety Data Sheet

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

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 run-off from fire fighting to enter drains or water courses. Disposal must be
	done according to official regulations.

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

6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, vapours, spray.
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".

6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or
	streams.
Methods for cleaning up	: Take up liquid spill into absorbent material, e.g.: sand, saw dust. Take up mechanically
	(sweeping, shovelling) and collect in suitable container for disposal.
Other information	: Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Keep container tightly closed.	
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.	
7.2. Conditions for safe storage, in	ncluding any incompatibilities	

Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a dry place. Store in a closed container. Keep cool.
Maximum storage period	: 3 year(s)
Storage temperature	: 5 – 30 °C
Information about storage in one common storage	: Keep away from food, drink and animal feeding stuffs.
facility	
Packaging materials	: Keep only in the original container.

7.3. Specific end use(s)

Descaler. Comply with instructions for use (refer to technical sheet) www.geberit-aquaclean.com.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Safety Data Sheet

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

Hydrochloric acid (7647-01-0) United Kingdom - Occupational Exposure Limits		
		Local name
WEL TWA (OEL TWA) [1]	2 mg/m ³ gas and aerosol mists	
WEL TWA (OEL TWA) [2]	1 ppm gas and aerosol mists	
WEL STEL (OEL STEL)	8 mg/m³ gas and aerosol mists	
WEL STEL (OEL STEL) [ppm]	5 ppm gas and aerosol mists	
Regulatory reference	EH40/2005 (Third edition, 2018). HSE	
Phosphoric acid (7664-38-2)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Orthophosphoric acid	
IOEL TWA	1 mg/m ³	
IOEL STEL	2 mg/m ³	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
United Kingdom - Occupational Exposure Limits		
Local name	Orthophosphoric acid	
WEL TWA (OEL TWA) [1]	1 mg/m ³	
WEL STEL (OEL STEL)	2 mg/m ³	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

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

Hydrochloric acid (7647-01-0)		
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	15 mg/m³	
Long-term - local effects, inhalation	8 mg/m ³	
DNEL/DMEL (General population)		
Acute - local effects, inhalation	15 mg/m³	
Long-term - local effects, inhalation	8 mg/m ³	

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.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection: Wear closed safety glasses. ISO 16321-1

Safety Data Sheet

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

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. EN ISO 13688. EN 13034

Hand protection:

In case of repeated or prolonged contact wear gloves. ISO 374-1. Nitrile rubber gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust. No respiratory protection needed under normal use conditions

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product. The above mentioned instructions regarding the protective equipment refer to the industrial use of larger quantities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: colourless.
Odour	: weak. characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: ≈ 0 °C (1013 hPa, Trottoli)
Boiling point	: ≈ 100 °C (DIN 38404 C4)
Flammability	: Not applicable
	Not flammable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
Hq	: < 2 (20 °C, DIN 19268, Acid/alkaline reserve: 8,9 g NaOH/100 g, Hazard Rating: > -0,5 ∩ <
•	1,0 (J. R. Young et al.))
Viscosity, kinematic	: 2.54 mm²/s (25 °C, DIN 53221)
Viscosity, dynamic	: 2.84 cP (25 °C, Calculation method)
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 122 hPa (20 °C, Calculation method)
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1.12 (g/cm³, 20 °C, ISO 2811-3)
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

Safety Data Sheet

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

9.2. Other information

9.2.1. Information with regard to physical hazard classes		
Not sustained combustibility	:	Yes
9.2.2. Other safety characteristics		
VOC content	:	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Contact with metallic substances may release flammable hydrogen gas. Reacts with (strong) oxidizers. Alkalines. Reacts with : Carbonates. Reaction product : Carbon dioxide.

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

The product should not be used in combination with other cleaning / descaling agents.

10.5. Incompatible materials

Marble, inferior chrome steel, thin/damaged chrome plating. Some plastics (POM). Silver. Oxidizing agents and bases.

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) Geberit AquaClean	 Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)
ATE CLP (oral)	> 2000 mg/kg bodyweight
Phosphoric acid (7664-38-2)	
LD50 oral rat	≈ 2600 mg/kg bodyweight (OECD 423 method)
LD50 dermal rabbit	2740 mg/kg bodyweight
Skin corrosion/irritation	 Causes skin irritation. pH: < 2 (20 °C, DIN 19268, Acid/alkaline reserve: 8,9 g NaOH/100 g, Hazard Rating: > -0,5 ∩ < 1,0 (J. R. Young et al.))
Serious eye damage/irritation	 Causes serious eye irritation. pH: < 2 (20 °C, DIN 19268, Acid/alkaline reserve: 8,9 g NaOH/100 g, Hazard Rating: > -0,5 ∩ < 1,0 (J. R. Young et al.))
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

Safety Data Sheet

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

Hydrochloric acid (7647-01-0)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)	
Phosphoric acid (7664-38-2)		
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight/day	
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)	
Geberit AquaClean		
Viscosity, kinematic	2.54 mm²/s (25 °C, DIN 53221)	

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information 12.1. Toxicity Hazardous to the aquatic environment, short-term : Not classified (Based on available data, the classification criteria are not met) (acute) Hazardous to the aquatic environment, long-term : Not classified (Based on available data, the classification criteria are not met) (chronic) Hydrochloric acid (7647-01-0) LC50 - Fish [1] 20.5 mg/l (96 h; Lepomis macrochirus; (OECD 203 method)) Phosphoric acid (7664-38-2) EC50 - Crustacea [1] > 100 mg/l (48 h; Daphnia magna; (OECD 202 method)) ErC50 algae > 100 mg/l (72 h; Desmodesmus subspicatus; Test method EU C.3) NOEC chronic algae 100 mg/l (72 h; Desmodesmus subspicatus; Test method EU C.3)

12.2. Persistence and degradability

Geberit AquaClean		
Persistence and degradability	Not applicable for inorganic substances.	
Phosphoric acid (7664-38-2)		
Persistence and degradability	Not applicable for inorganic substances.	

12.3. Bioaccumulative potential

Phosphoric acid (7664-38-2)	
Bioaccumulative potential	Not applicable for inorganic substances.

12.4. Mobility in soil

Phosphoric acid (7664-38-2)	
Ecology - soil	Expected to be highly mobile in soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

Safety Data Sheet

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

12.7. Other adverse effects

Other adverse effects

: Harmful effect due to pH-value shift

SECTION 13: Disposal considerations 13.1. Waste treatment methods		
Product/Packaging disposal recommendations	: Clean with water. Do not dispose of the packaging without first carrying out the necessary cleaning. Recycle or dispose of in compliance with current legislation.	
European List of Waste (LoW) code	: 20 01 30 - detergents other than those mentioned in 20 01 29	
HP Code	: HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.	

SECTION 14: Transport information

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	g name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	lass(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 haz	ards			
Not regulated Not regulated		Not regulated	Not regulated	Not regulated

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

Safety Data Sheet

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

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Other information, restriction and prohibition : Regulation (EC) No. 648/2004 of 31 March 2004 on detergents. regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	
3(b)	Geberit AquaClean ; Hydrochloric acid ; Phosphoric acid	

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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content

: Not applicable

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 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)

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Hydrochloric acid	Hydrogen chloride	7647-01-0	2806 10 00	Category 3		Annex I

15.1.2. National regulations

United Kingdom

National regulations

: This safety data sheet is for informational purposes only and does not comply with national legal requirements without reference to a national distributor. The national distributor is responsible for a legally compliant safety data sheet.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Version/s 1.00 is/are not available in this language.

Safety Data Sheet

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

Indication of changes			
Section	Changed item	Change	Comments
	General revision		

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	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
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	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
TLM	Median Tolerance Limit	
vPvB	Very Persistent and Very Bioaccumulative	

Data sources

: MSDS of the supplier. ECHA (European Chemicals Agency). Department issuing data specification sheet: : KFT Chemieservice GmbH Im Leuschnerpark 3 D-64347 Griesheim Phone: +49 6155-8981-400 Fax: +49 6155 8981-500 SDS Service: +49 6155 8981-522

Contact person

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	

: Dr. Maximilian Gatterdam

Safety Data Sheet

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

Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
H290	May be corrosive to metals.		
H302	Harmful if swallowed.		
H314	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H335	May cause respiratory irritation.		
Met. Corr. 1	Corrosive to metals, Category 1		
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A		
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation		

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

Skin Irrit. 2	H315	On basis of test data
Eye Irrit. 2	H319	On basis of test data

KFT SDS EU 00

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.