# Safety Data Sheet

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

SDS Reference Number: 1/9/284 
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Supersedes version of: 2022/05/05 
Version: 7.2

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

#### 1.1. Product identifier

Product form : Mixture

Name (SDS) : BUILDING ANTIGLISSE

Product code : 304224

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

#### Relevant identified uses

Main use category : Professional use,Industrial use

Use of the substance/mixture : Anti-slip

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

**IPC SAS** 10 Quai Cdt Malbert CS 71821 29218 BREST France T 02-98-43-45-44, F 02-98-43-22-53

ipc@ipc-sa.com

#### 1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145	13 11 26	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090 Msida	112 +356 2545 6508	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

## **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 1, Sub-Category 1B Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage.

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#### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP) : Danger

Contains : fluorosilicic acid

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP) : P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor, a POISON CENTER. 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

doctor, a POISON CENTER.

## 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH 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 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]
fluorosilicic acid	CAS-No.: 16961-83-4 EC-No.: 241-034-8 EC Index-No.: 009-011-00-5 REACH-no: 01-2119488906-	1 - 10	Skin Corr. 1B, H314
hydrofluoric acid substance with a Community workplace exposure limit	CAS-No.: 7664-39-3 EC-No.: 231-634-8 EC Index-No.: 009-003-00-1 REACH-no: 01-2119458860- 33	< 0,3	Acute Tox. 2 (Inhalation), H330 Acute Tox. 1 (Dermal), H310 (ATE=5 mg/kg bodyweight) Acute Tox. 2 (Oral), H300 (ATE=5 mg/kg bodyweight) Skin Corr. 1A, H314

Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
hydrofluoric acid	CAS-No.: 7664-39-3 EC-No.: 231-634-8 EC Index-No.: 009-003-00-1 REACH-no: 01-2119458860- 33	(0,1 ≤ C < 1) Eye Irrit. 2; H319 (1 ≤ C < 7) Skin Corr. 1B; H314 (7 ≤ C < 100) Skin Corr. 1A; H314	

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

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

#### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a

physician immediately.

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 : Rinse mouth. Do not induce vomiting. Call a physician immediately.

First-aid measures for first aider : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

## 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. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard. Hazardous decomposition products in case of fire : Toxic fumes may be released.

## 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper

protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Prevent fire fighting

water from entering the environment.

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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

Absorb spillage to prevent material damage. Evacuate unnecessary personnel. Do not handle until all safety precautions have been read and understood. Wear recommended

personal protective equipment.

For non-emergency personnel

Protective equipment : Wear chemically resistant gloves (tested to EN374) in combination with specific activity

training.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe spray, mist, fume,

gas, dust, vapours.

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#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective

equipment as required. For further information refer to section 8: "Exposure

controls/personal protection".

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

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to

prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material.

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.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe spray, mist, fume, gas, dust, vapours. Wear personal protective equipment.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or

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

Keep away from food, drink and animal feeding stuffs.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep only in original container. Store locked up. Protect from freezing. Protect from sunlight.

Incompatible products : Strong acids. Oxidizing agent. Strong bases.

Incompatible materials : Direct sunlight. Sources of ignition.

Maximum storage period : 13 months Storage temperature : 5-30 °C

Packaging materials : Store always product in container of same material as original container.

## 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

hydrofluoric acid (7664-39-3)		
EU - Indicative Occupational Exposure Limit (IOEL)	EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Hydrogen fluoride	
IOEL TWA	1,5 mg/m³	
	1,8 ppm	
IOEL STEL	2,5 mg/m³	
	3 ppm	

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hydrofluoric acid (7664-39-3)		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
EU - Biological Limit Value (BLV)		
Local name	Hydrogen fluoride	
BLV	8 mg/l Parameter: F - Medium: urine - Sampling time: end of shift	
Regulatory reference	SCOEL List of recommended health-based BLVs and BGVs	

## 8.2. Exposure controls

#### **Appropriate engineering controls**

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Personal protective equipment symbol(s):







## Eye and face protection

#### Eye protection:

Safety glasses

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166
Face shield	Droplet		EN 166

#### Skin protection

## Skin and body protection:

Wear suitable protective clothing

## Hand protection:

Protective gloves. Wear suitable gloves resistant to chemical penetration. Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. 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

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Polyvinylchloride (PVC) , Viton® II, Neoprene rubber (HNBR)	6 (> 480 minutes)			EN ISO 374-1

## **Respiratory protection**

## Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	Filter type	Condition	Standard
Gas mask, Filtering Half-face mask (DIN EN 149)	Filter B (grey)	If conc. in air > exposure limit	

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#### **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

: Liquid Physical state : Colourless. Colour Odour : Not available Odour threshold Not available Melting point : Not applicable Freezing point : Not available Boiling point : Not available Flammability : Non flammable. Lower explosion limit : Not available Upper explosion limit : Not available Flash point : Not available Auto-ignition temperature : Not available Decomposition temperature : Not available : 1

pH solution concentration : 100 %
Viscosity, kinematic : Not available

Solubility : In water, material soluble.

Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available Density : Not available Relative density : 1,08 +/-0.03 Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

## 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). Extremely high or low temperatures. Direct sunlight. gel.

## 10.5. Incompatible materials

May be corrosive to metals. Strong acids. Oxidizing agent. Strong bases.

## 10.6. Hazardous decomposition products

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

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#### **SECTION 11: Toxicological information**

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met) Acute toxicity (dermal) Not classified (Based on available data, the classification criteria are not met) Acute toxicity (inhalation) Not classified (Based on available data, the classification criteria are not met)

#### fluorosilicic acid (16961-83-4)

200 mg/kg LD50 oral

Skin corrosion/irritation Causes severe skin burns.

Serious eye damage/irritation Assumed to cause serious eye damage

pH: 1 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) Not classified (Based on available data, the classification criteria are not met) Carcinogenicity 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) STOT-repeated exposure Not classified (Based on available data, the classification criteria are not met) Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

#### 11.2. Information on other hazards

No additional information available

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms. Do not discharge into drains or the environment.

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)

fluorosilicic acid (16961-83-4)		
LC50 - Fish [1]	50 mg/l	
EC50 72h - Algae [1]	81 mg/l	
hydrofluoric acid (7664-39-3)		
LC50 - Fish [1]	107,5 ppm Oncorhynchus mykiss	
EC50 - Crustacea [1]	26 mg/l Daphnia magna	
EC50 96h - Algae [1]	43 mg/l Desmodesmus subspicatus	
NOEC chronic fish	4 mg/l Oncorhynchus mykiss	
NOEC chronic crustacea	3,7 mg/l Daphnia magna	

## 12.2. Persistence and degradability

BUILDING ANTIGLISSE		
Persistence and degradability	Rapidly degradable	
fluorosilicic acid (16961-83-4)		
Persistence and degradability	Not rapidly degradable	

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hydrofluoric acid (7664-39-3)	
Persistence and degradability	Rapidly degradable

## 12.3. Bioaccumulative potential

hydrofluoric acid (7664-39-3)	
BCF - Other aquatic organisms [1]	27 – 62

#### 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

Regional waste regulation

Waste treatment methods

Additional information

**HP Code** 

Ecological waste information

Sewage disposal recommendations

Product/Packaging disposal recommendations

: Disposal must be done according to official regulations.

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

Disposal must be done according to official regulations.

: Avoid release to the environment. Disposal must be done according to official regulations. Dispose in a safe manner in accordance with local/national regulations. Do not discharge

into drains or the environment.

: Do not re-use empty containers.

 $: \ \, \text{Avoid release to the environment. Do not discharge into drains or the environment.} \\$ 

: HP8 - "Corrosive:" waste which on application can cause skin corrosion.

## **SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
Not regulated for transport	Not regulated for transport			
14.2. UN proper shipping name				
FLUOROSILICIC ACID	FLUOROSILICIC ACID	Fluorosilicic acid	FLUOROSILICIC ACID	FLUOROSILICIC ACID
14.3. Transport hazard class(es)				
8	8	8	8	8
8	8	8	8	8
14.4. Packing group				
II	II	II	II	II

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ADR	IMDG	IATA	ADN	RID
1.5. Environmental ha	zards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-A EmS-No. (Spillage): S-B	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

## 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : C1
Limited quantities (ADR) : 11
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02
Mixed packing provisions (ADR) : MP15
Portable tank and bulk container instructions (ADR) : T8
Portable tank and bulk container special provisions : TP2

(ADR)

Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 2

Hazard identification number (Kemler No.) : 80
Orange plates : 

80

80 1778

Tunnel restriction code (ADR) : E EAC code : 2X

#### Transport by sea

Limited quantities (IMDG) : 1L Excepted quantities (IMDG) : E2 Packing instructions (IMDG) : P001 : IBC02 IBC packing instructions (IMDG) : B20 IBC special provisions (IMDG) : T8 Tank instructions (IMDG) : TP2 Tank special provisions (IMDG) Stowage category (IMDG) : A

Properties and observations (IMDG) : Colourless liquid. Highly corrosive to most metals. May cause severe burns to skin, eyes

and mucous membranes if containing free hydrofluoric acid.

#### Air transport

PCA Excepted quantities (IATA) : E2 PCA Limited quantities (IATA) : Y840 PCA limited quantity max net quantity (IATA) : 0.5L PCA packing instructions (IATA) : 851 PCA max net quantity (IATA) : 1L CAO packing instructions (IATA) : 855 CAO max net quantity (IATA) : 30L : 8L ERG code (IATA)

## Inland waterway transport

Classification code (ADN) : C1
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E2
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP
Number of blue cones/lights (ADN) : 0

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#### Rail transport

Classification code (RID) : C1
Limited quantities (RID) : 1L
Excepted quantities (RID) : E2
Packing instructions (RID) : P00

Packing instructions (RID) : P001, IBC02
Mixed packing provisions (RID) : MP15
Portable tank and bulk container instructions (RID) : T8
Portable tank and bulk container special provisions : TP2

(RID)

Tank codes for RID tanks (RID) : L4BN
Special provisions for RID tanks (RID) : TU42
Transport category (RID) : 2
Colis express (express parcels) (RID) : CE6
Hazard identification number (RID) : 80

#### 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)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	BUILDING ANTI GLISSE ; fluorosilicic acid ; hydrofluoric acid	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

## **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 substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items: Hydrogen fluoride (7664-39-3).

#### **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)

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#### **National regulations**

#### France

Occupational diseases		
Code	Description	
RG 32	G 32 Occupational disorders caused by fluoride, hydrofluoric acid and its mineral salts	

#### Germany

VOC ordinance (ChemVOCFarbV)

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

**Netherlands** 

ABM category : B(4) - low hazard for aquatic organisms SZW-lijst van kankerverwekkende stoffen : None of the components are listed SZW-lijst van reprotoxische stoffen - Borstvoeding : None of the components are listed

CZN/ list van nametaviaska staffan

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: None of the components are listed

: None of the components are listed

#### **Denmark**

**Danish National Regulations** 

Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

#### Poland

Polish National Regulations

: Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).

Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).

The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).

Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).

Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).

Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).

The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended). Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).

ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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# **SECTION 16: Other information**

Indication of changes			
Section	Changed item	Comments	
	Supersedes	Modified	
	Revision date	Modified	
1.1	UFI on SDS 1.1	Added	
1.2	Industrial/Professional use spec	Removed	
1.2	Main use category	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]  Modified		
4.1	First-aid measures for first aider	Added	
4.2	Symptoms/effects after inhalation	Added	
5.2	Fire hazard	Added	
5.2	Explosion hazard	Added	
5.3	Firefighting instructions	Modified	
6.1	Emergency procedures	Added	
6.1	General measures	Modified	
6.3	For containment	Added	
7.1	Additional hazards when processed	Added	
7.2	Technical measures	Added	
7.2	Packaging materials	Added	
7.2	Incompatible materials	Modified	
7.2	Storage conditions	Modified	
8.2	Personal protective equipment	Added	
9	Flammability (solid, gas)	Modified	
9	Concentration of the solution used for the pH measurement	Added	
10.4	Conditions to avoid	Modified	
10.5	Incompatible materials	Modified	
12.1	Ecology - general	Modified	
13.1	Additional information	Added	
13.1	Sewage disposal recommendations	Added	
13.1	Regional waste regulation	Added	
13.1	Product/Packaging disposal recommendations	Modified	
16	Abbreviations and acronyms	Modified	

Abbreviations and acronyms:		
ACGIH American Conference of Government Industrial Hygienists		
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		

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Abbreviations and acr	onyms:		
ATE	Acute Toxicity Estimate		
BCF	Bioconcentration factor		
BLV	Biological limit value		
BOD	Biochemical oxygen demand (BOD)		
CAS-No.	Chemical Abstract Service number		
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008		
COD	Chemical oxygen demand (COD)		
CSA	Chemical safety assessment		
DMEL	Derived Minimal Effect level		
DNEL	Derived-No Effect Level		
EC-No.	European Community number		
EC50	Median effective concentration		
ED	Endocrine disruptor		
EN	European Standard		
EWC	European waste catalogue		
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		
Log Kow	Partition coefficient n-octanol/water (Log Kow)		
Log Pow	Partition coefficient n-octanol/water (Log Pow)		
MAK	maximum workplace concentration		
NOAEC	No-Observed Adverse Effect Concentration		
NOAEL	No-Observed Adverse Effect Level		
NOEC	No-Observed Effect Concentration		
N.O.S.	Not Otherwise Specified		
OECD	Organisation for Economic Co-operation and Development		
OEL	Occupational Exposure Limit		
OSHA	Occupational Safety Health Administration		
PBT	Persistent Bioaccumulative Toxic		
PNEC	Predicted No-Effect Concentration		
PPE	Personal protection equipment		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
TF	Technical function		
ThOD	Theoretical oxygen demand (ThOD)		

# Safety Data Sheet

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

Abbreviations and acronyms:		
TLM	Median Tolerance Limit	
TWA	Time Weighted Average	
VOC	Volatile Organic Compounds	
vPvB	Very Persistent and Very Bioaccumulative	
UFI	Unique Formula Identifier	

Full text of H- and EUH-statements:			
Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1		
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2		
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A		
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B		
H300	Fatal if swallowed.		
H310	Fatal in contact with skin.		
H314	Causes severe skin burns and eye damage.		
H319	Causes serious eye irritation.		
H330	Fatal if inhaled.		

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]		
Skin Corr. 1B	H314	Calculation method

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.