

Product 10 Year Exterior Woodstain
 Revision date 07 November 2019
 Revision 1



Safety Data Sheet (SDS)
 according to Regulation (EC) No. 1907/2006

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product name 10 Year Exterior Woodstain
Synonyms, Trade names No information available.

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

Identified uses Paint or paint related material.
Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier FSW Coatings Ltd
 Virginia
 Co Cavan
 Ireland
 Tel: 353 49854 7209
Contact person info@fsw.ie

1.4 Emergency telephone number

Emergency telephone + 353 49854 7209 (Between 0900 and 1700 hrs Monday-Friday)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Not classified
 Human health Not classified
 Environment Aquatic Chronic 3 - H412

2.2 Label elements

Contains Not applicable
Label in accordance with (EC) no. 1272/2008 No pictogram required
Signal word No Signal Word
Hazard statements H412 Harmful to aquatic life with long lasting effects.
Precautionary statements **Prevention**
 P273 Avoid release to the environment.
Disposal
 P501 Dispose of contents/ container to local authorities in accordance with local regulations.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
2-(2-butoxyethoxy)ethanol	CAS-No.: 112-34-5 EC No.: 203-961-6 REACH Reg No.: 01-2119475104-44-XXXX	Eye Irrit.2A - H319	<1%
2-butoxyethanol	CAS-No.: 111-76-2 EC No.: 203-905-0 REACH Reg No.: 01-2119475108-36-XXXX	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Irrit.2 - H315, Eye Irrit.2A - H319	<1%
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	CAS-No.: 25265-77-4 EC No.: 246-771-9 REACH Reg No.: 01-2119441305-48-0002		<1%
Iron(1+), chloro[dimethyl 9,9-dihydroxy-3-methyl-2,4-di(2-pyridinyl-kN)-7-[(2-pyridinyl-kN)methyl]-3,7-diazabicyclo-3.3.1]nonane-1,5-dicarboxylate-kN3,kN7]-, chloride	CAS-No.: 478945-46-9 EC No.:	Acute Tox 3 - H301, Skin. Sens 1 - H317, STOT RE 2 - H373, Aquatic Chronic 3 - H412	<1%
tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione	CAS-No.: 5395-50-6 EC No.: 226-408-0	Skin. Sens 1 - H317	<1%
2-aminoethanol ethanolamine > 5%	CAS-No.: 141-43-5 EC No.: 205-483-3	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Corr. 1B - H314, STOT SE 3 - H335	<1%
diuron (ISO) 3-(3,4-dichlorophenyl)-1,1-dimethylurea	CAS-No.: 330-54-1 EC No.: 206-354-4	Acute Tox 4 - H302, Carc. 2 - H351, STOT RE 2 - H373, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<0.1%
2,2',2''-nitrilotriethanol	CAS-No.: 102-71-6 EC No.: 203-049-8		<1%
zinc oxide	CAS-No.: 1314-13-2 EC No.: 215-222-5 REACH Reg No.: 01-2119463881-32-0000	Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<1%
formaldehyde ... %	CAS-No.: 50-00-0 EC No.: 200-001-8	Acute Tox 3 - H301, Acute Tox 2 - H310, Skin Corr. 1B - H314, Skin. Sens 1 - H317, Acute Tox 3 - H331, Muta. 2 - H341, Carc. 1B - H350	<0.1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures

4.1 Description of first aid measures

General information	Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort or breathing difficulties develop.
Ingestion	If this product is ingested, remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Never give anything by mouth to an unconscious person. Rinse mouth out and then drink plenty of water. Seek medical attention.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing and shoes and wash before reuse. Wash exposed area with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation develops or persists.
Eye contact	Avoid contaminating unaffected eye. Remove contact lenses if present and easy to do so. Hold eye lids open. Rinse with a gentle stream water for at least 15 minutes. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Inhalation of mist or vapor may cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Prolonged contact may cause redness and/or tearing.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician	Treat symptomatically.
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Section 5: Fire-fighting measures**5.1 Extinguishing media**

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	None noted.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	When heated, vapours/gases hazardous to health may be formed.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	In case of fire, toxic gases may be formed (COx, NOx). Avoid breathing fumes. Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special fire fighting procedures	Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Eliminate all sources of ignition. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Wash hands after use.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions	Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	Ventilate and evacuate the area. Stop leak if possible without risk. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.
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6.4 Reference to other sections

Reference to other sections	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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Section 7: Handling and storage**7.1 Precautions for safe handling**

Handling	Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Do not use contact lenses. Keep away from heat, sparks and open flame. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Do not eat, drink or smoke when using the product.
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7.2 Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly closed original container in a cool, dry and well-ventilated place. Keep upright, locked up and out of reach of children. Store in cool dry areas away from direct sunlight or sources of ignition.
Storage class	Unspecified storage.

7.3 Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.
Usage description	Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection**8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
2-(2-butoxyethoxy)ethanol	OEL	10 ppm	67.5 mg/m ³	15 ppm	101.2 mg/m ³	IOELV
2-(2-butoxyethoxy)ethanol	WEL	10 ppm	67.5 mg/m ³	15 ppm	101.2 mg/m ³	
2-butoxyethanol	OEL	20 ppm	98 mg/m ³	50 ppm	246 mg/m ³	Sk, IOELV
2-butoxyethanol	WEL	25 ppm	123 mg/m ³	50 ppm	246 mg/m ³	Sk, BMGV
2-aminoethanol ethanolamine > 5%	OEL	1 ppm	2.5 mg/m ³	3 ppm	7.6 mg/m ³	Sk, IOELV
2-aminoethanol ethanolamine > 5%	WEL	1 ppm	2.5 mg/m ³	3 ppm	7.6 mg/m ³	Sk
diuron (ISO) 3-(3,4-dichlorophenyl)--,1-dimethylurea	OEL		10 mg/m ³			
diuron (ISO) 3-(3,4-dichlorophenyl)--,1-dimethylurea	OEL		10 mg/m ³			
2,2',2''-nitrioltriethanol	OEL		5 mg/m ³			
zinc oxide	OEL		2(R) mg/m ³		10 mg/m ³	
formaldehyde ... %	OEL	0.2 ppm		0.4 ppm		Carc.1B, Sens.
formaldehyde ... %	WEL	2 ppm	2.5 mg/m ³	2 ppm	2.5 mg/m ³	

Ingredient comments	Ireland, Occupational Exposure Limits 2018. Workplace Exposure Limits Guidance Note EH40/2005.
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8.2 Exposure Controls

Protective equipment	
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Engineering measures	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
Respiratory equipment	Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN 143 should be used, and suitable respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. ABEK (EN 14387). Consult manufacturer for specific advice. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). Use respiratory protection as specified by an industrial hygienist or other qualified professional if concentrations exceed the limits listed in Section 8.
Hand protection	Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. Gloves must be inspected prior to use. Suggested material: Nitrile rubber. Break through time: >480 minutes. Minimum layer thickness: 0.33 mm. Chloroprene. Breakthrough time: >480 minutes. Minimum layer thickness: 0.6 mm. Consult manufacturer for specific advice.
Eye protection	Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
Other protection	Wear appropriate clothing to prevent skin contact. Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Hygiene measures	Immediately take off any contaminated clothing and launder before re-use. Wash promptly if skin becomes contaminated. Wash hands after handling. Do not eat, drink, or smoke while using this product.
Process conditions	Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Various.
Odour	Faint odour.
Odour threshold - lower	No information available as testing has not been completed.
Odour threshold - upper	No information available as testing has not been completed.
pH-Value, Conc. Solution	7.5 - 9.0
pH-Value, Diluted solution	No information available as testing has not been completed.
Melting point	May start to solidify at the temperatures below 2°C. This is based on data for the following ingredient: water.
Initial boiling point and boiling range	38 °C.
Flash point	Not applicable.
Evaporation rate	No information available as testing has not been completed.
Flammability state	Non flammable.
Flammability limit - lower(%)	No information available as testing has not been completed.
Flammability limit - upper(%)	0%
Vapour pressure	Highest known value: 3.2 kPa (23.8 mm Hg) (at 20°C) (water). Weighted average: 3.12 kPa (23.4 mm Hg) (at 20°C).

Vapour density (air=1)	Highest known value: 7.5 (Air = 1) (isobutyric acid, monoester with 2,2, 4-trimethylpentan-1,3-diol).
Relative density	1.02.
Bulk density	No information available as testing has not been completed.
Solubility	Partially soluble in water.
Decomposition temperature	Stable under normal handling and storage conditions.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.
Auto ignition temperature (°C)	Not applicable.
Viscosity	Kinematic (40°C): >0.21 cm ² /s
Explosive properties	Not classified as explosive.
Oxidising properties	The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight	No information available as testing has not been completed.
Volatile organic compound	22.00 g/litre
Other information	Volume Solids: 33.0% +/- 1.0%. Weight Solids: 34.0% +/- 1.0%

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Reactions may occur with strong oxidising agents.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	None under normal processing.
Hazardous polymerisation	Unknown.
Polymerisation description	Unknown.

10.4 Conditions to Avoid

Conditions to avoid	Protect from frost. Avoid exposure to high temperatures or direct sunlight.
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10.5 Incompatible materials

Materials to avoid	Strong oxidising substances. Do not mix with other chemicals unless listed on directions.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	No toxicological information for the overall finished product.
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Acute toxicity (Oral LD50)	No information available as testing has not been completed.
Acute toxicity (Dermal LD50)	No information available as testing has not been completed.
Acute toxicity (Inhalation LD50)	No information available as testing has not been completed.
Serious eye damage/irritation	May cause temporary eye irritation.
Skin corrosion/irritation	The product is not classified as a skin corrosion/irritation hazard.
Respiratory sensitisation	The product is not classified as a respiratory hazard.
Skin sensitisation	The product is not classified as a skin sensitisation hazard.
Germ cell mutagenicity	The product is not classified as a mutagen.
Carcinogenicity	The product is not classified as a carcinogen hazard.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	The product is not classified as a single exposure specific target organ toxin.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	The product is not classified as a repeat exposure specific target organ toxin.
Inhalation	Inhalation of mist or vapor may cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Prolonged contact may cause redness and/or tearing.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product. The generation of waste should be avoided or minimised wherever possible. Avoid pouring into drains or waterways. Avoid contaminating the ground or water with waste. Where practical, waste or surplus material should be recovered and recycled.
Routes of entry	Eye and skin contact, ingestion or inhalation.
Target organs	No target organs specified.
Aspiration hazards:	The product is not classified as an aspiration hazard.
Reproductive toxicity:	The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
formaldehyde ... %	>200.00mg/kg Rat		
2-(2-butoxyethoxy)ethanol	3305.00mg/kg Rat	2764.00mg/kg Rabbit	
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	6500.00mg/kg Rat	15200.00mg/kg Rabbit	
Iron(1+), chloro[dimethyl 9,9-dihydroxy-3-methyl-2,4-di(2-pyridinyl-kN)-7-[(2-pyridinyl-kN)methyl]-3,7-diazabicyclo-3.3.1]nonane-1,5-dicarboxylate-kN3,kN7]-, chloride	>200.00mg/kg Rat	>2000.00mg/kg Rat	

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available as testing has not been completed.
Acute toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Acute toxicity - Aquatic plants	No information available as testing has not been completed.
Acute toxicity - Microorganisms	No information available as testing has not been completed.
Chronic toxicity - Fish	No information available as testing has not been completed.
Chronic toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Chronic toxicity - Aquatic plants	No information available as testing has not been completed.
Chronic toxicity - Microorganisms	No information available as testing has not been completed.
Ecotoxicity	Harmful to aquatic life with long lasting effects.
Eco toxicological information	No ecological toxicity available on the overall finished product.

12.2 Persistence and degradability

Degradability	The degradability of the product has not been stated.
Biological oxygen demand	No information available as testing has not been completed.
Chemical oxygen demand	No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Bioaccumulation factor	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.

12.4 Mobility in soil

Mobility	No information available.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Other adverse effects

Other adverse effects	None known.
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Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
2-(2-butoxyethoxy)ethanol	LC50 96 Hours 1300.00mg/l Lepomis macrochirus (Bluegill)	EC50 48 Hours >100.00mg/l Daphnia magna	
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	LC50 96 Hours >19.00mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 147.80mg/l Daphnia magna	
Iron(1+), chloro[dimethyl 9,9-dihydroxy-3-methyl-2,4-di(2-pyridinyl-kN)-7-[(2-pyridinyl-kN)methyl]-3,7-diazabicyclo-3.3.1]nonane-1,5-dicarboxylate-kN3,kN7]-, chloride	LC50 96 Hours >100.00mg/l Brachydanio rerio (Zebra Fish)	EC50 48 Hours 23.70mg/l Daphnia magna	
diuron (ISO) 3-(3,4-dichlorophenyl)-1,1-dimethylurea	LC50 96 Hours 14.70mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 1.40mg/l Daphnia magna	EC50 72 Hours 0.02mg/l Scenedesmus Subspicatus
zinc oxide	LC50 96 Hours 0.14mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 0.17mg/l Daphnia magna	

Section 13: Disposal considerations

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product. The generation of waste should be avoided or minimised wherever possible. Avoid pouring into drains or waterways. Avoid contaminating the ground or water with waste. Where practical, waste or surplus material should be recovered and recycled.
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13.1 Waste treatment methods

Disposal methods	Dispose of waste and residues in accordance with local authority requirements. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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Section 14: Transport information**14.1 UN number**

UN no. (ADR)	Not applicable.
UN no. (IMDG)	Not applicable.
UN no. (IATA)	Not applicable.

14.2 UN proper shipping name

ADR proper shipping name	Not applicable.
IMDG proper shipping name	Not applicable.
IATA proper shipping name	Not applicable.

14.3 Transport hazard class(es)

ADR class	Not applicable.
IMDG class	Not applicable.
IATA class	Not applicable.

Transport labels	Not applicable
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14.4 Packing group

ADR/RID/ADN packing group	Not applicable.
IMDG packing group	Not applicable.
IATA packing group	Not applicable.

14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

14.6 Special precautions for user

EMS	Not applicable.
Emergency action code	Not applicable.
Hazard no. (ADR)	Not applicable.
Tunnel restriction code	Not applicable.

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
Approved code of practice	2018 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005). Workplace Exposure Limits Guidance Note EH40/2005.
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	07 November 2019
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H319	Causes serious eye irritation.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H301	Toxic if swallowed.
H317	May cause an allergic skin reaction.

H373	May cause damage to organs through prolonged or repeated exposure .
H412	Harmful to aquatic life with long lasting effects.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H318	Causes serious eye damage.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H341	Suspected of causing genetic defects .
H350	May cause cancer .

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.