



Safety Data Sheet according to Regulation (EC) 'No. 2020/878

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1	Product Identifier	72206PTB	Revision Date:	11/11/2024
	Product Name:	STONBLEND HDF RESIN	Supersedes Date:	13/03/2023
			Version Number:	4

UFI Code:	No Information
Contain nanoform:	No

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

For use by appropriately trained applicators. Component of multicomponent coatings - Professional use only. Please see Technical Data Sheet. Advised against: others than recommended

1.3 Details of the supplier of the safety data sheet

Importer:	None
Manufacturer:	Stonhard Europe 9 Rue du Travail 1400 Nivelles Belgium

Regulatory / Technical Information:
+32 67493710 Nivelles, Belgium

Datasheet Produced by:	ehs-eu@stonhard.com
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1.4	Emergency telephone number:	CHEMTREC +1 703 5273887 (Outside US) PPC +1 412 6816669 (Outside US)
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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

Skin Irritation, category 2	H315
Skin Sensitizer, category 1	H317
Eye Irritation, category 2	H319
Hazardous to the aquatic environment, Chronic, category 2	H411

2.2 Label elements**Symbol(s) of Product****Signal Word**

Warning

Named Chemicals on Label

Epoxy resin based on bisphenol F, Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

HAZARD STATEMENTS

Other EU extensions	EUH205	Contains epoxy constituents. May produce an allergic reaction.
Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Hazardous to the aquatic environment, Chronic, category 2	H411	Toxic to aquatic life with long lasting effects.

PRECAUTION PHRASES

P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to waste treatment/disposal facility in accordance with local, state, and federal regulations.

ADDITIONAL INFORMATION

Note P : The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

Endocrine disrupting properties - Toxicity

Name According to EEC

CAS-No.

No Information

Endocrine disrupting properties - Ecotoxicity

Name According to EEC

CAS-No.

No Information

SECTION 3: Composition/Information On Ingredients**3.1 Substances**

Not applicable

3.2 Mixtures**Hazardous ingredients**

<u>Name According to EEC</u> <u>EINEC No.</u> <u>CAS-No.</u> <u>REACH Reg No.</u>	<u>%</u>	<u>Classifications</u>	SCL Value: ATE Value: M-Factor:	
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700) 500-033-5 25068-38-6 01-2119456619-26 603-074-00-8	75-100	H315-317-319-411 Aquatic Chronic 2, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1	SCL Value: ATE Value: M-Factor: (acute) M-Factor: (chronic)	H315: C ≥ 5 % H319: C ≥ 5 % - - -
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 271-846-8 68609-97-2 01-2119485289-22 603-103-00-4	2.5 - <10	H315-317 Skin Irrit. 2, Skin Sens. 1	SCL Value: ATE Value: M-Factor: (acute) M-Factor: (chronic)	- - - -

Epoxy resin based on bisphenol F 701-263-0 9003-36-5 01-2119454392-40	2.5 - <10	H315-317-411 Aquatic Chronic 2, Skin Irrit. 2, Skin Sens. 1	SCL Value:	-
			ATE Value:	-
			M-Factor: (acute)	-
			M-Factor: (chronic)	-
Solvent naphtha (petroleum), light arom. 265-199-0 64742-95-6 01-2119455851-35 649-356-00-4	0.1 - <1.0	H226-304-315-335-336-411 Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2, STOT SE 3 NE, STOT SE 3 RTI	SCL Value:	-
			ATE Value:	-
			M-Factor: (acute)	-
			M-Factor: (chronic)	-
xylene 215-535-7 1330-20-7 01-2119488216-32 601-022-00-9	0.1 - <1.0	H226-304-312-315-319-332-335-373-412 Acute Tox. 4 Dermal, Acute Tox. 4 Inhalation, Aquatic Chronic 3, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 3, Skin Irrit. 2, STOT RE 2, STOT SE 3 RTI	SCL Value:	-
			ATE Value:	-
			M-Factor: (acute)	-
			M-Factor: (chronic)	-

Acetic anhydride 203-564-8 108-24-7 01-2119486470-36	<0.1	H300-314-330-335 Acute Tox. 1 Inhalation, Acute Tox. 2 Oral, Skin Corr. 1B, STOT SE 3 RTI	SCL Value:	-
			ATE Value:	-
			M-Factor: (acute)	-
			M-Factor: (chronic)	-

Remarks: CAS No. 25068-38-6 identified as CAS No. 1675-54-3, EC No. 216-823-5 under REACH Registration Note P

Additional Information: The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice.

AFTER INHALATION: Move to fresh air. Consult a physician after significant exposure.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

May cause sensitization by skin contact. Irritating to eyes and skin.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. High volume water jet. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Use

water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Contains epoxy constituents. See information supplied by the manufacturer.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation. Use personal protective equipment.

6.1.2 For emergency responders

No Information

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. May cause long-term adverse effects in the aquatic environment.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: No Information

STORAGE CONDITIONS: Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

The mixing and application to be in accordance with the technical data sheets.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (UK WELS)

<u>Name</u>	<u>CAS-No.</u>	<u>LTEL ppm</u>	<u>STEL ppm</u>	<u>STEL mg/m3</u>	<u>LTEL mg/m3</u>
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	25068-38-6				
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2				
Epoxy resin based on bisphenol F	9003-36-5				
Solvent naphtha (petroleum), light arom.	64742-95-6				100
xylene	1330-20-7	50	100	441	220
Acetic anhydride	108-24-7	0.5	2	10	2.5

<u>Name</u>	<u>CAS-No.</u>	<u>OEL Note</u>
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	25068-38-6	
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	
Epoxy resin based on bisphenol F	9003-36-5	
Solvent naphtha (petroleum), light arom.	64742-95-6	
xylene	1330-20-7	
Acetic anhydride	108-24-7	

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation. Annotations: Carc = Capable of causing cancer and/or heritable genetic damage, Sen = Capable of causing occupational asthma, Sk = Can be absorbed through the skin.

Chemical Name:

Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)

EC No.:	CAS-No.:
500-033-5	25068-38-6

DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required					0.75 mg/kg bw/day		0.75 mg/kg bw/day
Inhalation		12.25 mg/m3		12.25 mg/m3				
Dermal		8.33 mg/kg bw/day		8.33 mg/kg bw/day		3.571 mg/kg bw/day		3.571 mg/kg bw/day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.006 mg/l
Fresh water sediments	0.996 mg/L
Marine water	0.0006 mg/l
Marine sediments	0.0996 mg/kg
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	0.196 mg/kg
Air	

Chemical Name:

Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

EC No.:

271-846-8

CAS-No.:

68609-97-2

DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							
Inhalation								
Dermal								

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.0072 mg/l
Fresh water sediments	66.77 mg/kg dw
Marine water	0.00072 mg/l
Marine sediments	6.677 mg/kg dw
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	
Air	

Chemical Name:

Epoxy resin based on bisphenol F

EC No.:

701-263-0

CAS-No.:

9003-36-5

DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							6.25 mg/kg bw/day
Inhalation								
Dermal				104.15 mg/kg bw/day				62.5 mg/kg bw/day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	
Fresh water sediments	0.294 mg/kg
Marine water	
Marine sediments	0.029 mg/kg
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	0.237 mg/kg
Air	

Chemical Name:

Solvent naphtha (petroleum), light arom.

EC No.:

265-199-0

CAS-No.:

64742-95-6

DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required						11 mg/kg bw/day	
Inhalation	0	0	0	150 mg/m ³	0	0	0	32 mg/m ³
Dermal				25 mg/kg bw/day				11 mg/kg bw/day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.635 mg/l
Fresh water sediments	3.29 mg/kg
Marine water	0.0635 mg/l
Marine sediments	0.329 mg/kg
Food chain	
Microorganisms in sewage treatment	100 mg/l
soil (agricultural)	0.29 mg/kg
Air	

Chemical Name:

xylene

EC No.:

215-535-7

CAS-No.:

1330-20-7

DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							1.6 mg/kg bw/day
Inhalation	289 mg/m ³	289 mg/m ³		77 mg/m ³	174 mg/m ³	174 mg/m ³		14.8 mg/m ³
Dermal				180 mg/kg bw/day				108 mg/kg bw/day

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.327 mg/L
Fresh water sediments	12.46 mg/kg
Marine water	0.327 mg/L
Marine sediments	12.46 mg/kg
Food chain	
Microorganisms in sewage treatment	6.58 mg/L
soil (agricultural)	2.31 mg/kg
Air	

8.2 Exposure controls**Personal Protection****RESPIRATORY PROTECTION:** No Information**EYE PROTECTION:** Safety glasses.**HAND PROTECTION:** Impervious gloves. Protective gloves complying with EN 374: Nitrile rubber. Butyl rubber.

Body Protection: Long sleeved clothing.
Remove and wash contaminated clothing before re-use.

OTHER PROTECTIVE EQUIPMENT: No Information

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Colour:	colorless
Physical State	Liquid
Odor	faint epoxy odor
Odor threshold	n/a
pH	n/a
Melting point / freezing point (°C)	Not determined
Boiling point or initial boiling point and boiling range (°C)	90 - 137
Flash Point, (°C)	174
Evaporation rate	n/a
Flammability (solid, gas)	n/a
Lower and upper explosive limit	Not determined - Not determined
Vapour Pressure	n/a
Relative vapour density	n/a
Density and/or relative density	1.14
Solubility in / Miscibility with water	insoluble
Partition coefficient: n-octanol/water	n/a
Auto-ignition temperature (°C)	>400
Decomposition temperature (°C)	n/a
Kinematic viscosity	1500-2000 cps
Particle characteristics	Not applicable to liquids

9.2 Other information

VOC Content g/l:	64
Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E.	
Specific Gravity (g/cm3)	1.14

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed. Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

No Information

10.5 Incompatible materials

Strong oxidizing agents. Acids and bases. Amines.

10.6 Hazardous decomposition productsThermal decomposition can lead to release of irritating gases and vapours. Alcohols. Exothermic reaction. Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute Toxicity:**

Oral LD50: No information available.

Inhalation LC50: No information available.

Dermal LD50: No Information

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.

Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>	<u>Gas LC50</u>	<u>Dust/Mist LC50</u>
25068-38-6	Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	5000 mg/kg (oral-rat)	>2000 mg/kg (dermal, rat M-F)	No information	No information	No information
68609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	26800 mg/kg, oral, rat	4500 mg/kg, dermal, rabbit	No information	No information	No information
9003-36-5	Epoxy resin based on bisphenol F	>5000 mg/Kg (rat, oral)	>2000 mg/Kg (rat, dermal)	No information	No information	No information

64742-95-6	Solvent naphtha (petroleum), light arom.	8400 mg/kg, oral, rat	>2000 mg/kg	3670 ppm/8 hours, rat, inhalation	No information	No information
1330-20-7	xylene	>2000 mg/kg (oral-rat)	1100 mg/kg (ATE dermal-rabbit)	11 mg/L (ATE inh/ vapour)	20001 ppm	>5 mg/l
108-24-7	Acetic anhydride	50mg/KG bw (Oral, mouse)			0.000	0.000

Additional Information:

May cause allergic skin reaction.

11.2 Information on other hazards**Endocrine disrupting properties - Toxicity**

Name According to EEC

CAS-No.

No Information

SECTION 12: Ecological Information**12.1 Toxicity:**

EC50 48hr (Daphnia):

No information

IC50 72hr (Algae):

No information

LC50 96hr (fish):

No information

12.2 Persistence and degradability:

No information

12.3 Bioaccumulative potential:

No information

12.4 Mobility in soil:

No information

12.5 Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

12.6 Endocrine disrupting properties**Endocrine disrupting properties - Ecotoxicity**

Name According to EEC

CAS-No.

No Information

12.7 Other adverse effects:

No information

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
25068-38-6	Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	1.8 mg/l (Daphnia magna, EC50, 48h,static)	11 mg/l (Scenedesmus capricornutum, EC50r, 72h)	1.5 mg/L (Rainbow trout), 3.6 mg/L (fish)
68609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	No information	No information	> 5.000 mg/l (Oncorhynchus mykiss, CL50, 96h static),

9003-36-5	Epoxy resin based on bisphenol F	1.6 mg/l (Daphnia)	1.8 mg/l (algae, EC50 static)	0.55 mg/l (fish)
64742-95-6	Solvent naphtha (petroleum), light arom.	3.2 mg/l (EC50, 48h, Daphnia magna)	2.6 mg/l (IC50, 72h Pseudokirchneriella subcapitata)	0
1330-20-7	xylene	165 mg/L (Daphnia magna 24h)	3 - 5 mg/L (Selenastrum sp.)	2 - 11 mg/L (Roccus saxatilis), 8.2 mg/L (Salmo gairdneri), 13.5 mg/L (Lepomis macrochirus), 21.0 mg/L (Pimephales promelas)
108-24-7	Acetic anhydride	No information	No information	No information

SECTION 13: Disposal Considerations

13.1 WASTE TREATMENT METHODS: Dispose of as hazardous waste in compliance with local and national regulations. If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

European Waste Code: 080111*

Packaging Waste Code: 150110

SECTION 14: Transport Information

	ADR/RID	ADN	IMDG	IATA
14.1 UN-number or ID number	UN3082	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIROMENTALLY HAZARDOUS SUBSTANCES, LIQUIDS, N.O.S.,epoxy resin	ENVIROMENTALLY HAZARDOUS SUBSTANCES, LIQUIDS, N.O.S.,epoxy resin	ENVIROMENTALLY HAZARDOUS SUBSTANCES, LIQUIDS, N.O.S.,epoxy resin	ENVIROMENTALLY HAZARDOUS SUBSTANCES, LIQUIDS, N.O.S.,epoxy resin
14.3 Transport Hazard Class(es)	9	9	9	9
14.4 Packing Group	PG III	PG III	PG III	PG III
14.5 Enviromental Hazards	Marine Pollutant	Marine Pollutant	Marine Pollutant	Marine Pollutant

- 14.6 Special precautions for user** Not applicable
EmS-No.: F-A, S-F
- 14.7 Maritime transport in bulk according to IMO intruments** Not applicable

SECTION 15: Regulatory Information

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

National Regulations:

Denmark Product Registration Number:	Not available
Danish MAL Code:	Not available
Danish MAL Code - Mixture:	Not available
Sweden Product Registration Number:	Not available
Norway Product Registration Number:	Not available
Germany WGK Class:	Not available

Directive 2004/42/CE:	64
Covered by Directive 2012/18/EC (Seveso III):	Not applicable
Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006:	Not applicable

Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:

CAS-No. Name According to EEC

Not Applicable

SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):

CAS-No. Name According to EEC

Not Applicable

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Reasons for revision

Composition Information Changed

Substance and/or Product Properties Changed in Section(s):

- 01 - Identification
- 02 - Hazard Identification
- 03 - Composition/Information On Ingredients
- 08 - Exposure Controls/Personal Protection
- 09 - Physical and Chemical Properties
- 11 - Toxicological Information
- 12 - Ecological Information
- 15 - Regulatory Information

Revision Statement(s) Changed

This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m3	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community

ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC	International Bulk Container
RTI	Respiratory Tract Irritation
NE	Narcotic Effects
IMO	International Maritime Organization
Note P:	The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene
Note 10:	The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$.

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.

