

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



**Construction  
Products Group**  
Europe



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

1.1	Product Identifier	KRISTAL SEALER PART A	Revision Date:	07/08/2023
	Product Name:	Kristal Sealer Part A	Supersedes Date:	10/01/2023
			Version Number:	1
	UFI Code:	C3H8-T0G4-200X-J3PX		
	Nanoform:	No		
1.2	Relevant identified uses of the substance or mixture and uses advised against	Component of multicomponent coatings - Professional use only. Coatings and paints, thinners, paint removers. Manual activities involving hand contact. Widespread use leading to inclusion into/onto article (indoor). Widespread use leading to inclusion into/onto article (outdoor). For use by appropriately trained applicators. Roller application or brushing. Advised against: Home DIY applications. Advised against: Spray application, because of the additional hazards. Advised against: others than recommended		
1.3	Details of the supplier of the safety data sheet			
	Manufacturer:	Tremco CPG Poland Sp. z o. o. Ul. Marywilska 34 03-228 Warszawa Polska  Tel: +48 22 879 8907 Fax: +48 22 879 8918 ehs.uk@flowcrete.com www.flowcrete.com.pl/		
	Datasheet Produced by:	ehs.uk@flowcrete.com		
1.4	Emergency telephone number:	CHEMTREC +1 703 5273887 (Outside US)		

### 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
Acute Toxicity, Inhalation, category 4	H332
Hazardous to the aquatic environment, Chronic, category 2	H411

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

Warning

**Named Chemicals on Label**

bis[4-(2,3-epoxypropoxy)phenyl]propane, 1,6-Hexanediol diglycidyl ether, henyleneoxymethylene]]bis(oxirane) and 2,2'-[methylenebis

**HAZARD STATEMENTS**

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.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
Hazardous to the aquatic environment, Chronic, category 2	H411	Toxic to aquatic life with long lasting effects.

**PRECAUTION PHRASES**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.

**2.3 Other hazards**

Ingestion may cause irritation to mucous membranes.

**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>	<b>SCL Value:</b> <b>ATE Value:</b> <b>M-Factor:</b>
bis[4-(2,3-epoxypropoxy) phenyl]propane 216-823-5 1675-54-3 No Information	75-100	H315-317-319-411  Aquatic Chronic 2, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1	<b>SCL Value:</b> -  <b>ATE Value:</b> -  <b>M-Factor:</b> -
henyleneoxymethylene)]bis (oxirane) and 2,2'- [methylenebis 701-263-0 No Information	2.5 - <10	H315-317-411  Aquatic Chronic 2, Skin Irrit. 2, Skin Sens. 1	<b>SCL Value:</b> -  <b>ATE Value:</b> -  <b>M-Factor:</b> -
Benzyl alcohol 202-859-9 100-51-6 01-2119492630-38	2.5 - <10	H302-319-332  Acute Tox. 4 Inhalation, Acute Tox. 4 Oral, Eye Irrit. 2	<b>SCL Value:</b> -  <b>ATE Value:</b> -  <b>M-Factor:</b> -

1,6-Hexanediol diglycidyl ether 240-260-4 16096-31-4 01-2119463471-41	2.5 - <10	H315-317-319-412  Aquatic Chronic 3, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor:</b>	-
Propylene carbonate 203-572-1 108-32-7 01-2119537232-48	1.0 - <2.5	H319  Eye Irrit. 2	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor:</b>	-
Reaction mass of ethylbenzene and m-xylene and p-xylene 905-562-9 01-2119555267-33	<0.1	H225-304-312-315-319-332-335-373  Acute Tox. 4 Dermal, Acute Tox. 4 Inhalation, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 2, Skin Irrit. 2, STOT RE 2, STOT SE 3 RTI	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor:</b>	-

**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. Show this safety data sheet to the doctor in attendance.

**AFTER INHALATION:** Remove person to fresh air. If signs/symptoms continue, get medical attention.

**AFTER SKIN CONTACT:** Use a mild soap if available. Do not use solvent or thinners to clean skin. 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:** Consult a physician. Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.

**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**

Treat symptomatically. 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, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Do not use a solid water stream as it may scatter and spread fire. Alcohol, Alcohol based solutions, any other media not listed above.

**5.2 Special hazards arising from the substance or mixture**

In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

**5.3 Advice for firefighters**

Keep containers and surroundings cool with water spray. In the event of fire, wear self-contained breathing apparatus. Do not use a solid water stream as it may scatter and spread fire. 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.

**SECTION 6: Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel**

Avoid contact with skin, eyes and clothing. For personal protection see section 8.2. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

**6.1.2 For emergency responders**

See Section 7, 8 and 10 for further information.

**6.2 Environmental precautions**

Discharge into the environment must be avoided. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. 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. Refer to protective measures listed in sections 7 and 8.

**SECTION 7: Handling and Storage****7.1 Precautions for safe handling**

Wear personal protective equipment. Avoid contact with skin and eyes. Apply technical measures to comply with the occupational exposure limits (see section 8). People handling epoxy products must have received special training according to guidelines from the National Occupational Health and Safety Board.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately. Keep away from food, drink and animal

feedingstuffs. 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:** Avoid temperatures above 40 °C, direct sunlight and contact with sources of heat. Do not freeze.  
**STORAGE CONDITIONS:** Keep out of the reach of children. Keep at temperatures between 10 and 25 °C. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

## 7.3 Specific end use(s)

Component of multicomponent coatings. 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>
bis[4-(2,3-epoxypropoxy)phenyl]propane henyleneoxymethylene]]bis(oxirane) and 2,2'-[methylenebis	1675-54-3				
Benzyl alcohol	100-51-6				
1,6-Hexanediol diglycidyl ether	16096-31-4				
Propylene carbonate	108-32-7				
Reaction mass of ethylbenzene and m- xylene and p-xylene					

<u>Name</u>	<u>CAS-No.</u>	<u>OEL Note</u>
bis[4-(2,3-epoxypropoxy)phenyl]propane henyleneoxymethylene]]bis(oxirane) and 2,2'-[methylenebis	1675-54-3	
Benzyl alcohol	100-51-6	
1,6-Hexanediol diglycidyl ether	16096-31-4	
Propylene carbonate	108-32-7	
Reaction mass of ethylbenzene and m- xylene and p-xylene		

**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.

**Chemical Name:**

bis[4-(2,3-epoxypropoxy)phenyl]propane

**EC No.:**

216-823-5

**CAS-No.:**

1675-54-3

**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				4.93 mg/m <sup>3</sup>				
Dermal				0.75 mg/kg bw/day				

**PNEC's - Predicted no effect concentration**

Environmental protection target	PNEC
Fresh water	0.006 mg/l
Fresh water sediments	0.341 mg/kg
Marine water	0.001mg/l
Marine sediments	0.0341 mg/kg
Food chain	
Microorganisms in sewage treatment	10 mg/l
soil (agricultural)	0.065 mg/kg
Air	

**Chemical Name:**

Benzyl alcohol

**EC No.:**

202-859-9

**CAS-No.:**

100-51-6

**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					20 mg/kg bw/d		4 mg/kg bw/d
Inhalation	-	110 mg/m <sup>3</sup>	-	22 mg/m <sup>3</sup>	-	27 mg/m <sup>3</sup>	-	5.4 mg/m <sup>3</sup>
Dermal	-	40 mg/kg bw/d	-	8 mg/kg bw/d	-	20 mg/kg bw/d	-	4 mg/kg bw/d

**PNEC's - Predicted no effect concentration**

Environmental protection target	PNEC
Fresh water	1 mg/l
Fresh water sediments	5.27 mg/kg
Marine water	0.1 mg/l
Marine sediments	0.527 mg/kg
Food chain	
Microorganisms in sewage treatment	39 mg/l
soil (agricultural)	0.456 mg/kg
Air	

**Chemical Name:**

1,6-Hexanediol diglycidyl ether

**EC No.:**

240-260-4

**CAS-No.:**

16096-31-4

**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					0.83 mg/kg bw/d		0.83 mg/kg bw/d
Inhalation			0.44 mg/m <sup>3</sup>	4.9 mg/m <sup>3</sup>		2.9 mg/m <sup>3</sup>	0.27 mg/m <sup>3</sup>	2.9 mg/m <sup>3</sup>
Dermal			22.6 µg/cm <sup>2</sup>	2.8 mg/kg bw/d	13.6 µg/cm <sup>2</sup>	1.7 mg/kg bw/d	13.6 µg/cm <sup>2</sup>	1.7 mg/kg bw/d

**PNEC's - Predicted no effect concentration**

Environmental protection target	PNEC
Fresh water	0.0115 mg/l
Fresh water sediments	0.283 mg/kg
Marine water	1.15 µg/l
Marine sediments	0.283 mg/kg
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	
Air	

**8.2 Exposure controls****Personal Protection**

**RESPIRATORY PROTECTION:** No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment, filter A.

**EYE PROTECTION:** Eye wash bottle with pure water. Safety glasses with side-shields conforming to EN 166.

**HAND PROTECTION:** Use chemical resistant gloves (EN 374): Nitrile rubber; thickness  $\geq 0,5$  mm; breakthrough time  $\geq 480$  min. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature). Long sleeved clothing. Remove and wash contaminated clothing before re-use.

**OTHER PROTECTIVE EQUIPMENT:** Ensure that eyewash stations and safety showers are close to the workstation location.

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

**SECTION 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

Colour:	Clear
Physical State	Liquid
Odor	Slight
Odor threshold	Not determined
pH	Not determined
Melting point / freezing point (°C)	Not determined
Boiling point or initial boiling point and boiling range (°C)	140 - N.D.
Flash Point, (°C)	Not measured
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Lower and upper explosive limit	Not determined
Vapour Pressure	Not determined



Relative vapour density	Not determined
Density and/or relative density	1.16 g/cm <sup>3</sup> .
Solubility in / Miscibility with water	Insoluble
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	Not determined
Decomposition temperature (°C)	Not determined
Kinematic viscosity	Not determined
Particle characteristics	Not applicable to liquids

## 9.2 Other information

VOC Content g/l:	<250
Specific Gravity (g/cm <sup>3</sup> )	0.120

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under recommended storage and use conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Amines cause exothermic reactions.

### 10.4 Conditions to avoid

Avoid temperatures above 40 °C, direct sunlight and contact with sources of heat. Do not freeze.

### 10.5 Incompatible materials

Oxidizing agents. Acids and bases.

### 10.6 Hazardous decomposition products

In case of fire **hazardous decomposition products** may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

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

#### Acute Toxicity:

Oral LD50:	No Information
Inhalation LC50:	No Information
Dermal LD50:	No Information

**Irritation:** Irritating to eyes and skin.

**Corrosivity:** No information available.

**Sensitization:** May cause an allergic skin reaction.

**Repeated dose toxicity:** No information available.

**Carcinogenicity:** No information available.

**Mutagenicity:** No information available.

<b>Toxicity for reproduction:</b>	No information available.
<b>STOT-single exposure:</b>	No information available.
<b>STOT-repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	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>
	henyleneoxymethylene)]bis (oxirane) and 2,2'- [methylenebis	>5000 mg/kg	>2000 mg/kg		0.000	0.000
100-51-6	Benzyl alcohol	1620 mg/kg (rat)	2001 mg/kg (rabbit)			> 4.178 mg/l (4 h, rat)
16096-31-4	1,6-Hexanediol diglycidyl ether	3010 mg/kg (rat)	>2000 mg/kg (rat)		0.000	0.000
108-32-7	Propylene carbonate	33520 mg/kg (rat)	>2000 (rabbit)		0.000	
	Reaction mass of ethylbenzene and m-xylene and p-xylene	3523ppm		6350ppm		0.000

#### Additional Information:

In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Ingestion may cause irritation to mucous membranes. Irritating to eyes and skin. 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.
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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>
1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane	No information	No information	1.3 mg/l
	henyleneoxymethylene]]bis(oxirane) and 2,2'-[methylenebis	2.55 mg/l	1.8 mg/l	5.7 mg/l
100-51-6	Benzyl alcohol	230 mg/l	770 mg/l (Pseudokirchneriella)	460 mg/l (Pimephales promelas)
16096-31-4	1,6-Hexanediol diglycidyl ether	47 mg/l	No information	30 mg/l
108-32-7	Propylene carbonate	No information	No information	>1000 mg/l
	Reaction mass of ethylbenzene and m-xylene and p-xylene	No information	No information	2.6mg/L

## SECTION 13: Disposal Considerations

- 13.1 WASTE TREATMENT METHODS:** Dispose of waste material at an approved hazardous waste treatment/disposal facility in accordance with applicable local state, and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems. Contaminated packaging to be disposed of as product. Fully drained containers which are drop- and scrape-free can be treated as industrial waste, and can possibly be recycled. Empty containers should be taken to an approved waste handling site for recycling or disposal. The product should not be allowed to enter drains, water courses or the soil.

**European Waste Code:** 080111\*  
**Packaging Waste Code:** 150110

**SECTION 14: Transport Information**

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN-number or ID number</b>	UN 3082	UN 3082	UN 3082	UN 3082
<b>14.2 UN proper shipping name</b>	Environmentally hazardous substance, liquid, N.O.S., (Epoxy Resin MW<700)	Environmentally hazardous substance, liquid, N.O.S., (Epoxy Resin MW<700)	Environmentally hazardous substance, liquid, N.O.S., (Epoxy Resin MW<700)	Environmentally hazardous substance, liquid, N.O.S., (Epoxy Resin MW<700)
<b>14.3 Transport Hazard Class(es)</b>	9	9	9	9
<b>14.4 Packing Group</b>	III	III	III	III
<b>14.5 Enviromental Hazards</b>	Marine Pollutant	Marine Pollutant	Marine Pollutant	Marine Pollutant

**14.6 Special precautions for user** Not applicable

**EmS-No.:** Not applicable

**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:** 00-5 (1993)

**Danish MAL Code - Mixture:** Not available

**Sweden Product Registration Number:** Not available

**Norway Product Registration Number:** 101941

**Germany WGK Class:** Not available

**Directive 2004/42/CE :** <250

**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:**

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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 Chemical Name Changed

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

09 - Physical and Chemical Properties

11 - Toxicological Information

14 - Transportation Information

15 - Regulatory Information

Revision Statement(s) Changed

**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.