

**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** 0834A7042A **Revision Date:** 03/05/2024

**Product Name:** CARBOGUARD 834 PART A **Supersedes Date:** 09/08/2020

**UFI Code:** No Information

**Contain nanoform:** No

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Base component of 2 components coating - Industrial use. Advised against: others than recommended

**1.3 Details of the supplier of the safety data sheet**

**Importer:** None

**Manufacturer:** StonCor Middle East L.L.C.  
Plot # B518, Al Quoz Industrial Area 3  
P.O. Box: 3034  
Dubai, U.A.E.

Regulatory / Technical Information:  
+971 4 347 0460  
+971 4 347 0242 (fax)

**Datasheet Produced by:** Rivero, Melody - ehs@stoncor.com

**1.4 Emergency telephone number:** CHEMTREC +1 703 5273887 (Outside US)  
112 (24/7)  
Croatia +3851 2348 342 (24/7 in Croatian and English)  
Iceland 112 (24/7)  
Malta 112 (24/7)

**SECTION 2: Hazards Identification**

**2.1 Classification of the substance or mixture**

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

**HAZARD STATEMENTS**

Flammable Liquid, category 3  
 Acute Toxicity, Inhalation, category 4  
 STOT, single exposure, category 3, NE  
 Germ Cell Mutagenicity, category 1A  
 Carcinogenicity, category 1A  
 STOT, single exposure, category 1

H226  
 H332  
 H336  
 H340-1A  
 H350-1A  
 H370

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

Danger

**Named Chemicals on Label**

Ethylbenzene, Pentane-2,4-dione, n-butyl acetate, Xylene, quartz (silicon dioxide)

**HAZARD STATEMENTS**

Flammable Liquid, category 3  
 Acute Toxicity, Inhalation, category 4  
 STOT, single exposure, category 3, NE  
 Germ Cell Mutagenicity, category 1A  
 Carcinogenicity, category 1A  
 STOT, single exposure, category 1

H226  
 H332  
 H336  
 H340-1A  
 H350-1A  
 H370

Flammable liquid and vapour.  
 Harmful if inhaled.  
 May cause drowsiness or dizziness.  
 May cause genetic defects.  
 May cause cancer.  
 Causes damage to organs.

**PRECAUTION PHRASES**

P201  
 P202  
  
 P210  
  
 P260  
 P264  
 P284  
 P304+340  
  
 P307+311  
 P308+313  
 P314  
 P403+233

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Do not breathe dust/fume/gas/mist/vapours/spray.  
 Wash hands thoroughly after handling.  
 Wear respiratory protection.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 IF exposed, call a POISON CENTER or doctor/physician.  
 IF exposed or concerned: Get medical advice/attention.  
 Get medical advice/attention if you feel unwell.  
 Store in a well-ventilated place. Keep container tightly closed.

**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:
n-butyl acetate 204-658-1 123-86-4 No Information	25 - <50	H225-336  Flam. Liq. 2, STOT SE 3 NE	SCL Value: -  ATE Value: -  M-Factor: (acute) -  M-Factor: (chronic) -

quartz (silicon dioxide) 238-878-4 14808-60-7 No Information	10 - <25	H350-370  Carc. 1A, STOT SE 1	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-
titanium dioxide 236-675-5 13463-67-7 No Information	10 - <25	H351  Carc. 2	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-
2-methoxy-1-methylethyl- acetate 203-603-9 108-65-6 No Information	2.5 - <10	H226  Flam. Liq. 3	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-

polytetrahydrofuran 25190-06-1 No Information	2.5 - <10	H412  Aquatic Chronic 3	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-
Ethylbenzene 202-849-4 100-41-4 No Information	2.5 - <10	H225-304-315-319-332-373  Acute Tox. 4 Inhalation, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 2, Skin Irrit. 2, STOT RE 2	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-
Xylene 215-535-7 1330-20-7 No Information	2.5 - <10	H226-315-332  Acute Tox. 4 Inhalation, Flam. Liq. 3, Skin Irrit. 2	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-

silicon dioxide (amorphous) 231-545-4 7631-86-9 No Information	1.0 - <2.5	H372  STOT RE 1	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-
alumina trihydrate 21645-51-2 No Information	1.0 - <2.5		<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-
Pentane-2,4-dione 204-634-0 123-54-6 No Information	1.0 - <2.5	H226-301-331  Acute Tox. 3 Inhalation, Acute Tox. 3 Oral, Flam. Liq. 3	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor: (acute)</b>	-
			<b>M-Factor: (chronic)</b>	-

carbon black 215-609-9 1333-86-4 No Information	0.1 - <1.0	H351  Carc. 2	SCL Value:	-
			ATE Value:	-
			M-Factor: (acute)	-
			M-Factor: (chronic)	-
Distillates (petroleum), hydrodesulfurized middle 265-183-3 265-183-3 64742-80-9 No Information	<0.1	H350  Carc. 1A	SCL Value:	-
			ATE Value:	-
			M-Factor: (acute)	-
			M-Factor: (chronic)	-
Naphtha (petroleum), hydrodesulfurized heavy 265-185-4 64742-82-1 01-2119458049-33	<0.1	H226-304-336-411  Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 3, Skin Cracking, STOT SE 3 NE	SCL Value:	-
			ATE Value:	-
			M-Factor: (acute)	-
			M-Factor: (chronic)	-

**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.

**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**

No Information

**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, Water Fog

**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**

Flash back possible over considerable distance. 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**

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

**6.1.2 For emergency responders**

See Section 7, 8 and 10 for further information.

**6.2 Environmental precautions**

Do not allow material to contaminate ground water system. Prevent product from entering drains.

**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**

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour



concentration higher than the occupational exposure limits. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically; always use earthing leads when transferring from one container to another. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only explosion-proof equipment. Keep away from sources of ignition - No smoking. 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:** Direct sources of heat.

**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)

No specific advice for end use available.

# SECTION 8: Exposure Controls/Personal Protection

## 8.1 Control parameters

### Ingredients with Occupational Exposure Limits (EU)

<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>
n-butyl acetate	123-86-4	50	150	723	241
quartz (silicon dioxide)	14808-60-7				
titanium dioxide	13463-67-7				
2-methoxy-1-methylethyl-acetate	108-65-6	50	100	550	275
polytetrahydrofuran	25190-06-1				
Ethylbenzene	100-41-4	100	200	884	442
Xylene	1330-20-7	50	100	442	221
silicon dioxide (amorphous)	7631-86-9				
alumina trihydrate	21645-51-2				
Pentane-2,4-dione	123-54-6				
carbon black	1333-86-4				
Distillates (petroleum), hydrosulfurized middle	64742-80-9				
Naphtha (petroleum), hydrosulfurized heavy	64742-82-1				

<u>Name</u>	<u>CAS-No.</u>	<u>OEL Note</u>
n-butyl acetate	123-86-4	
quartz (silicon dioxide)	14808-60-7	
titanium dioxide	13463-67-7	
2-methoxy-1-methylethyl-acetate	108-65-6	SKIN
polytetrahydrofuran	25190-06-1	
Ethylbenzene	100-41-4	SKIN
Xylene	1330-20-7	SK
silicon dioxide (amorphous)	7631-86-9	
alumina trihydrate	21645-51-2	
Pentane-2,4-dione	123-54-6	

carbon black	1333-86-4
Distillates (petroleum), hydrosulfurized middle	64742-80-9
Naphtha (petroleum), hydrosulfurized heavy	64742-82-1

**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:**

**EC No.:**

**CAS-No.:**

#### 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	
Fresh water sediments	
Marine water	
Marine sediments	
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	
Air	

## 8.2 Exposure controls

### Personal Protection

**RESPIRATORY PROTECTION:** Respirator with a vapor filter.

**EYE PROTECTION:** Tightly fitting safety goggles.

**HAND PROTECTION:** Impervious gloves. 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). 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:	Various Coloured Liquid
Physical State	Liquid
Odor	Solvent
Odor threshold	Not determined
pH	Not determined
Melting point / freezing point (°C)	Not determined

<b>Boiling point or initial boiling point and boiling range (°C)</b>	>35 - N.D.
<b>Flash Point, (°C)</b>	32
<b>Evaporation rate</b>	Slower Than Ether
<b>Flammability (solid, gas)</b>	Not determined
<b>Lower and upper explosive limit</b>	Not determined
<b>Vapour Pressure</b>	Not determined
<b>Relative vapour density</b>	Heavier Than Air
<b>Density and/or relative density</b>	Not determined
<b>Solubility in / Miscibility with water</b>	Not determined
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature (°C)</b>	Not determined
<b>Decomposition temperature (°C)</b>	Not determined
<b>Kinematic viscosity</b>	Unknown
<b>Particle characteristics</b>	Not applicable to liquids

**9.2 Other information**

<b>VOC Content g/l:</b>	300
<b>Specific Gravity (g/cm3)</b>	1.330

## SECTION 10: Stability and Reactivity

**10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under recommended storage conditions. Risk of ignition.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

Direct sources of heat.

**10.5 Incompatible materials**

Strong oxidizing agents.

**10.6 Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute Toxicity:**

<b>Oral LD50:</b>	No information available.
<b>Inhalation LC50:</b>	No information available.
<b>Dermal LD50:</b>	No Information

<b>Irritation:</b>	No information available.
<b>Corrosivity:</b>	No information available.
<b>Sensitization:</b>	No information available.
<b>Repeated dose toxicity:</b>	No information available.
<b>Carcinogenicity:</b>	No information available.
<b>Mutagenicity:</b>	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>
123-86-4	n-butyl acetate	10760 mg/kg, rat, oral		23.4 mg/l/4/h (rat)	0.000	0.000
13463-67-7	titanium dioxide	10000 mg/m3, oral (rat)			0.000	0.000
108-65-6	2-methoxy-1-methylethyl- acetate	8532 mg/kg, oral (rat)	>5000 mg/kg	1105 mg/m3/4H	0.000	0.000
100-41-4	Ethylbenzene	3500 mg/kg rat, oral	5510 mg/kg, rabbit	4000 ppm, rat, 4h	0.000	0.000
1330-20-7	Xylene	3523 mg/kg, rat, oral	12126 mg/kg, rabbitt	5000 ppm/4 hrs rat, inhalation	0.000	0.000
7631-86-9	silicon dioxide (amorphous)	3,160 mg/kg, rat			0.000	0.000
123-54-6	Pentane-2,4-dione	55 mg/kg oral, rat		10 mg/24 hours rabbit	0.000	0.000
1333-86-4	carbon black	>15400 mg/kg oral, rat			0.000	0.000

#### Additional Information:

No Information

#### 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>
123-86-4	n-butyl acetate	No information	No information	
14808-60-7	quartz (silicon dioxide)	No information	No information	
13463-67-7	titanium dioxide	>100 mg/l (EC50, 48h, Daphnia magna OECD202)ation	No information	>1000 mg/l
108-65-6	2-methoxy-1-methylethyl-acetate	No information	No information	
25190-06-1	polytetrahydrofuran	No information	No information	
100-41-4	Ethylbenzene	1.37 mg/l	No information	32 mg/l (Bluegill)
1330-20-7	Xylene	3.82 mg/l	No information	24-30 mg/l, minnow
7631-86-9	silicon dioxide (amorphous)	No information	No information	
21645-51-2	alumina trihydrate	No information	No information	
123-54-6	Pentane-2,4-dione	No information	No information	
1333-86-4	carbon black	No information	No information	
64742-80-9	Distillates (petroleum), hydrodesulfurized middle	No information	No information	
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	No information	No information	

## SECTION 13: Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** Do not burn, or use a cutting torch on, the empty drum. 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
<b>14.1 UN-number or ID number</b>	UN 1263	UN 1263	UN 1263	UN 1263
<b>14.2 UN proper shipping name</b>	Paint	Paint	Paint	Paint
<b>14.3 Transport Hazard Class(es)</b>	3	3	3	3
<b>14.4 Packing Group</b>	III	III	III	III
<b>14.5 Enviromental Hazards</b>	No Information	No Information	No Information	No Information

**14.6 Special precautions for user** Unknown  
**EmS-No.:** F-E, S-E

**14.7 Maritime transport in bulk according to IMO intruments** Unknown

## 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
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:**

<u>CAS-No.</u>	<u>Name According to EEC</u>
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Not Applicable

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

<u>CAS-No.</u>	<u>Name According to EEC</u>
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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.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

H350	May cause cancer.
H351	Suspected of causing cancer.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
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**

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
- 14 - Transportation Information
- 15 - Regulatory Information

Composition Information Changed

Substance Regulatory CAS Number Changed

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.