

**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	<b>Product Identifier</b>	FLOWSEAL LS PART A	<b>Revision Date:</b>	17/07/2023
	<b>Product Name:</b>	Flowseal LS Part A	<b>Supersedes Date:</b>	24/03/2022
			<b>Version Number:</b>	1
	<b>UFI Code:</b>	62Y0-20WY-400V-CH62		
	<b>Nanoform:</b>	No		
1.2	<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Coatings and paints, thinners, paint removers. Manual activities involving hand contact. Widespread use leading to inclusion into/onto article (indoor). Hardener for 2 components coatings - Industrial use. For use by appropriately trained applicators. Roller application or brushing. Low energy spreading of coatings. Advised against: Home DIY applications, because of the health hazards and training required. Advised against: others than recommended		
1.3	<b>Details of the supplier of the safety data sheet</b>			
	<b>Supplier:</b>	Tremco CPG UK Limited Coupland Road Hindley Green WN2 4HT, UK  Tel: +44 (0)1942 251400		
	<b>Datasheet Produced by:</b>	ehs.uk@flowcrete.com		
1.4	<b>Emergency telephone number:</b>	CHEMTREC +001 703 5273887 (Outside US) CHEMTREC 1-800-424-9300 (Inside US)		

**SECTION 2: Hazards Identification****2.1 Classification of the substance or mixture**

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

**HAZARD STATEMENTS**

Flammable Liquid, category 3	H226
Skin Irritation, category 2	H315
Eye Irritation, category 2	H319
STOT, single exposure, category 3, NE	H336
STOT, repeated exposure, category 2	H373

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

Warning

**Named Chemicals on Label**

Ethylbenzene, 2-Methoxy-1-methylethyl-acetate, n-Butyl acetate, Xylene

**HAZARD STATEMENTS**

Flammable Liquid, category 3	H226	Flammable liquid and vapour.
Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.

**PRECAUTION PHRASES**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P314	Get medical advice/attention if you feel unwell.
P332+313	If skin irritation occurs: Get medical advice/attention.
P403+233	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.
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No Information

**Endocrine disrupting properties - Ecotoxicity**

Name According to EEC	CAS-No.
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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>
2-Methoxy-1-methylethyl- acetate 203-603-9 108-65-6 01-2119475791-29	25 - <50	H226-336  Flam. Liq. 3, STOT SE 3 NE	<b>SCL Value:</b> -  <b>ATE Value:</b> -  <b>M-Factor:</b> -
Xylene 215-535-7 1330-20-7 01-2119488216-32	10 - <25	H226-304-315-319-332-335-373  Acute Tox. 4 Inhalation, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 3, Skin Irrit. 2, STOT RE 2, STOT SE 3 RTI	<b>SCL Value:</b> -  <b>ATE Value:</b> -  <b>M-Factor:</b> -
n-Butyl acetate 204-658-1 123-86-4 01-2119485493-29	2.5 - <10	H225-336  Flam. Liq. 2, Skin Cracking, STOT SE 3 NE	<b>SCL Value:</b> -  <b>ATE Value:</b> -  <b>M-Factor:</b> -

Ethylbenzene 202-849-4 100-41-4 01-2119489370-35	2.5 - <10	H225-304-332-373-412  Acute Tox. 4 Inhalation, Aquatic Chronic 3, Asp. Tox. 1, Flam. Liq. 2, STOT RE 2	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor:</b>	-
polyamine amide salt 935-868-8  No Information	0.1 - <1.0	H315  Skin Irrit. 2	<b>SCL Value:</b>	-
			<b>ATE Value:</b>	-
			<b>M-Factor:</b>	-
trymethylolpropane 77-99-6 No Information	0.1 - <1.0	H361fd  Repr. 2	<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. Risk of product entering the lungs on vomiting after ingestion. Remove contaminated clothing and shoes.

**AFTER INHALATION:** Move to fresh air. Consult a physician after significant exposure. Keep respiratory tract clear. Remove person to fresh air. If signs/symptoms continue, get medical attention.

**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:** Keep eye wide open while rinsing. 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. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this container or label.

**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**

Irritating to eyes and skin.

**4.3 Indication of any immediate medical attention and special treatment needed**

Immediate medical attention is required. 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. Do not use a solid water stream as it may scatter and spread fire.

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

In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

**5.3 Advice for firefighters**

Keep containers and surroundings cool with water spray. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Fire will produce dense black smoke containing hazardous combustion products (see section 10). 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. Keep people away from and upwind of spill/leak. 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. Keep the container open. 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). Refer to protective measures listed in sections 7 and 8.

**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. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Use only explosion-proof equipment. Keep away from sources of ignition - No smoking. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used. 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. Wash hands and face before breaks and immediately after handling the product.

## 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. Direct sources of heat.

**STORAGE CONDITIONS:** Do not freeze. Store in original container. Store at room temperature in the original container. Keep locked up or in an area accessible only to qualified or authorised persons. Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

## 7.3 Specific end use(s)

Component of a resin flooring product. 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>
2-Methoxy-1-methylethyl-acetate	108-65-6	50	100	548	274
Xylene	1330-20-7	50	100	441	220
n-Butyl acetate	123-86-4	150	200	966	724
Ethylbenzene	100-41-4	100	125	552	441
polyamine amide salt					
trimethylolpropane	77-99-6				

<u>Name</u>	<u>CAS-No.</u>	<u>OEL Note</u>
2-Methoxy-1-methylethyl-acetate	108-65-6	
Xylene	1330-20-7	
n-Butyl acetate	123-86-4	
Ethylbenzene	100-41-4	
polyamine amide salt		
trimethylolpropane	77-99-6	

**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:**

2-Methoxy-1-methylethyl-acetate

**EC No.:**

203-603-9

**CAS-No.:**

108-65-6

**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							1.67 mg/kg bw/d
Inhalation				275 mg/m <sup>3</sup>				33 mg/m <sup>3</sup>
Dermal				153.5 mg/kg bw/d				54.8 mg/kg bw/d

**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
Inhalation	289 mg/m <sup>3</sup>	289 mg/m <sup>3</sup>	77 mg/m <sup>3</sup>	77 mg/m <sup>3</sup>	174 mg/m <sup>3</sup>	174 mg/m <sup>3</sup>		14.8 mg/m <sup>3</sup>
Dermal	174 mg/m <sup>3</sup>							108 mg/kg

**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	
Marine sediments	
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:** In case of insufficient ventilation wear suitable respiratory equipment. Respirator with a vapor filter. Respirator with filter for organic vapor.

**EYE PROTECTION:** Eye wash bottle with pure water. Tightly fitting safety goggles. Face-shield.

**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:** As a rule, at least 5 air changes per hour are recommended at the workplace. 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:	Yellow
Physical State	Liquid
Odor	solvent-like
Odor threshold	Not determined
pH	Not determined
Melting point / freezing point (°C)	Not determined
Boiling point or initial boiling point and boiling range (°C)	108 - N.D.
Flash Point, (°C)	29
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	ca. 1.05
Solubility in / Miscibility with water	Slightly
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	> 300 °C
Decomposition temperature (°C)	Not determined
Kinematic viscosity	Not determined
Particle characteristics	Not applicable to liquids

**9.2 Other information**

VOC Content g/l: <500

This is a calculated maximum VOC content for the mixed ready to use product (to Directive 2004/42/EC).

## 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. No decomposition if stored and applied as directed. Container can be pressurized by carbon dioxide due to reaction with humid air and/or water. Risk of ignition. Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

Avoid temperatures above 40 °C, direct sunlight and contact with sources of heat. Direct sources of heat.

**10.5 Incompatible materials**

Acids. Strong oxidizing agents.

**10.6 Hazardous decomposition products**

In case of fire **hazardous decomposition products** may be produced such as: 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
<b>Inhalation LC50:</b>	No Information
<b>Dermal LD50:</b>	No Information

**Irritation:** May cause skin and eye irritation.

**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:** May cause damage to organs through prolonged or repeated exposure.

**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>
108-65-6	2-Methoxy-1-methylethyl-acetate	8532 mg/kg (rat)	>5000 mg/kg (rat)	1105 mg/m <sup>3</sup> , 4hr	0.000	0.000
1330-20-7	Xylene	4000 mg/kg (rat)	> 4350 mg/kg (rabbit)		6700	29.08 mg/l (Rat)
123-86-4	n-Butyl acetate	10760 mg/kg (rat)		23.4 mg/l, 4hr (rat)	0.000	0.000
100-41-4	Ethylbenzene	3500 mg/kg (rat)	15400 mg/kg, rabbit		0.000	17.2 mg/l (Rat)

**Additional Information:**

In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Corrosive - causes irreversible eye damage.

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

<b>Name According to EEC</b>	<b>CAS-No.</b>
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>
108-65-6	2-Methoxy-1-methylethyl-acetate	500 mg/l	No information	161 mg/l (Pimephales promelas)
1330-20-7	Xylene	1 mg/l	No information	13.4 mg/l (pimephales promelas)
123-86-4	n-Butyl acetate	No information	No information	
100-41-4	Ethylbenzene	1.8 mg/l	4.6 mg/l	4.2 mg/l (Oncorhynchus mykiss)
	polyamine amide salt	No information	No information	No information
77-99-6	trimethylolpropane	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. Dispose of as hazardous waste in compliance with local and national regulations. If recycling is not practicable, dispose of in compliance with local regulations. Container hazardous when empty. 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>	UN1866	UN1866	UN1866	UN1866
<b>14.2 UN proper shipping name</b>	Resin solution	Resin solution	Resin solution	Resin solution
<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** 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:** 3-1

**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 :** <500

**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.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

**Reasons for revision**

Revision Description Changed

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
- 14 - Transportation 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 &amp; 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.