

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

Issue Date: 2025-01-14

EFW524125179-CG-02

SECTION 1: Identification of the substance/mixture and of the company/undertaking

• 1.1 Product identifier

• Trade name:

ZIELER 18 BRUSH & FINE TIP PENS

• Other means of identification:

SKU No.: 09299559

EAN No.: 0604565680273

Brand Name: ZIELER

UFI code: No available data.

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

• Relevant identified uses:

Consumer uses, arts & crafts.

• Uses advised against:

No available data.

• Reason why uses advised against:

No available data.

• 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier:

TANNEGATE LTD. (TANNEGATE SUPPLIES).

Unit B2 Ullswater Crescent, Ullswater Industrial Estate, Coulsdon, Surrey CR5 2HR U.K.

Post code: Cr5 2hr

Tel: +44 208 655 8070

Email: artsupplies@zieler.co.uk

National contact: Kiren Patel or Raj Patel

• 1.4 Emergency telephone number

Country	Official advisory body	Address	Emergency number	Remark
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture

• 2.1.1 Classification according to regulation (EC) 1272/2008:

The product is not classified according to CLP Regulation.

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Not applicable	Not applicable

• 2.2 Label elements

• Labeling according to Regulation (EC) No 1272/2008:

The product is not labelled according to CLP Regulation.

• Hazard pictograms:



Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

Not applicable

• **Signal word:**

Not applicable

• **Hazard-determining components of labelling:**

Not applicable

• **Hazard statements:**

Not applicable

• **Precautionary statement:**

Not applicable

• **Supplemental label elements:**

Not applicable

• **2.3 Other hazards**

None of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.

None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

SECTION 3: Composition/information on ingredients

• **3.2 Mixtures**

• **Description of the mixture:**

ZIELER 18 BRUSH & FINE TIP PENS.

Ingredients:

Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Water	7732-18-5	-	231-791-2	77.9-84.5	None	-
Glycerin	56-81-5	-	200-289-5	9-10	None	-
Sodium naphthalene -2-sulphonate	532-02-5	-	208-523-8	5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-
Acid Red 18	2611-82-7	-	220-036-2	0.02-3	None	-
Food Yellow 3	2783-94-0	-	220-491-7	0.2-2.68	None	-
Acid Blue 9	3844-45-9	-	223-339-8	2.2-2.6	None	-
Pigment Blue 15	147-14-8	-	205-685-1	2	None	-
Pigment Orange 13	3520-72-7	-	222-530-3	2	None	-
Dodecyl alcohol, ethoxylated	9002-92-0	-	500-002-6	0.6-1	Acute Tox. 4, H302 Eye Irrit.2, H319 Aquatic Chronic 3, H412	ATE (oral)=1000 mg/kg
Sodium benzoate	532-32-1	-	208-534-8	0.1-0.5	Eye Irrit. 2, H319	-
Acid Yellow 23	1934-21-0	-	217-699-5	0.1-0.2	None	-

Additional information:

Full text of H- and EUH-statements, see SECTION 16.

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General notes:

Get medical attention if you feel unwell.

· Following inhalation:

Supply with fresh air.

Get medical attention if you feel unwell.

· Following skin contact:

Wash with water.

If there are signs of irritation or other symptoms, seek medical attention.

· Following eye contact:

Rinse cautiously with water for several minutes.

If eye irritation occurs: Get medical advice/attention.

· Following ingestion:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

· Self-protection of the first aider:

Wear disposable, latex free gloves.

· 4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are as indicated in sections 2 and 11.

· 4.3 Indication of any immediate medical attention and special treatment needed:

Treat according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

· Unsuitable extinguishing media:

No known unsuitable extinguishing media.

· 5.2 Special hazards arising from the substance or mixture

· Hazardous combustion products:

No special hazards arising from the mixture.

· 5.3 Advice for firefighters

· Protective equipment:

Wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

· 6.1.1 For non-emergency personnel

· Protective equipment:

Eye protection and respiration protection.

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

• **Emergency procedures:**

Avoid breathing vapor/mist.

Avoid contact with eyes.

• **6.1.2 For emergency responders**

• **Personal protective equipment:**

Eye protection and respiration protection.

• **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

If the spillage contaminates rivers, lakes or drains inform respective authorities.

• **6.3 Methods and material for containment and cleaning up**

• **6.3.1 For containment:**

Bunding, covering of drains.

• **6.3.2 For cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

• **6.3.3 Other information:**

Dispose contaminated material as waste according to section 13.

• **6.4 Reference to other sections:**

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling:**

• **Protective measures:**

Avoid contact with eyes.

• **Measures to prevent fire:**

Normal measures for preventive fire protection.

• **Measures to prevent aerosol and dust generation:**

Ensure well ventilation at workplace.

• **Measures to protect the environment:**

Avoiding spills or keeping away from drains.

• **Advice on general occupational hygiene:**

Wear eye protection.

• **7.2 Conditions for safe storage, including any non-compatibility**

• **Technical measures and storage conditions:**

Store in a cool and well-ventilated place.

• **Packaging materials:**

Use the same material as original container.

• **Requirements for storage rooms and vessels:**

No further requirements.

• **Storage class:**

12.

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

Further information on storage conditions:

No further requirements.

7.3 Specific end use(s)

Recommendations:

See section 1.2.

Industrial sector specific solutions:

No further requirements.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Country	Limit value - Eight hours	Limit value - Short term
56-81-5 Glycerin		
Belgium	10 mg/m ³	-
Finland	20 mg/m ³	-
France	10 mg/m ³	-
Germany (DFG)	200 mg/m ³ Inhalable fraction	400 mg/m ³ Inhalable fraction; 15 minutes average value
Ireland	10 mg/m ³	-
Poland	10 mg/m ³	-
Spain	10 mg/m ³	-
United Kingdom	10 mg/m ³	-
532-32-1 Sodium benzoate		
Germany (AGS)	10 mg/m ³ Inhalable fraction; Skin	10 mg/m ³ Inhalable fraction; Skin; 15 minutes average value

DNELs:

DNEL type		DNEL worker value	DNEL consumer value
9002-92-0 Dodecyl alcohol, ethoxylated			
Systemic effects	Long-term, inhalation exposure	1.64 mg/m ³	290 µg/m ³
	Long-term, dermal exposure	467 µg/kg bw/day	167 µg/kg bw/day
	Long-term, oral exposure	-	167 µg/kg bw/day
532-32-1 Sodium benzoate			
Local effects	Long-term, inhalation exposure	3 µg/m ³	1.5 µg/m ³
	Long-term, dermal exposure	62.5 mg/kg bw/day	31.25 mg/kg bw/day
	Long-term, oral exposure	-	16.6 mg/kg bw/day
Systemic effects	Long-term, inhalation exposure	100 µg/m ³	60 µg/m ³

PNECs:

PNEC type	Value
9002-92-0 Dodecyl alcohol, ethoxylated	
Freshwater	13.9 µg/L
Intermittent releases (freshwater)	24.3 µg/L
Marine water	1.39 µg/L

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

Issue Date: 2025-01-14

EFW524125179-CG-02

Intermittent releases (marine water)	2.43 µg/L
Sewage treatment plant (STP)	250 µg/L
Sediment (freshwater)	111 µg/kg sediment dw
Sediment (marine water)	11.1 µg/kg sediment dw
Soil	14.1 µg/kg soil dw
532-32-1 Sodium benzoate	
Freshwater	581 µg/L
Intermittent releases (freshwater)	58.1 µg/L
Marine water	58.7 µg/L
Intermittent releases (marine water)	5.81 ng/L
Sewage treatment plant (STP)	10 mg/L
Sediment (freshwater)	2.5 mg/kg sediment dw
Sediment (marine water)	250 µg/kg sediment dw
Soil	158.7 µg/kg soil dw
Secondary poisoning	300 mg/kg food

• Additional information:

The lists valid during the marking were used as basis.

• 8.2 Exposure controls

• Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

• 8.2.1 Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

See section 7 for information about design of technical facilities.

• 8.2.2. Personal protection equipment

• Eye/face protection:

Not required under normal conditions of use.

For industrial applications, following protection required:



Safety glasses

Protective goggles with side-shields.

• Skin protection

• Hand protection:

Not required under normal conditions of use.

For industrial applications, following protection required:



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

• Other skin protection:

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

Issue Date: 2025-01-14

EFW524125179-CG-02

Not required under normal conditions of use.

For industrial applications, following protection required:



Face protection



Safety boots



Safety overalls

Face shield, gauntlets, boots, bodysuit are recommended.

• **Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Respiratory equipment

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• **Thermal hazards:**

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

• **8.2.3 Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**

• Physical state	Liquid
• Color	Various
• Odor & Odor threshold	Odorless
• Melting point/freezing point (or softening point/range)	Not determined
• Boiling point or initial boiling point and boiling range	100°C (water)
• Flammability	Not determined
• Lower and upper explosion limit	Not determined
• Flash point	>191°C (closed cup)
• Auto-ignition temperature	400°C (Glycerin)
• Decomposition temperature	Not determined
• pH	Not determined
• Kinematic viscosity (mm²/s)	Not determined
• Solubility	Not determined
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure	Not determined
• Density and/or relative density	Not determined

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

· Relative vapor density	Not determined
· Particle characteristics	Not determined
· 9.2 Other information	
· 9.2.1 Information with regard to physical hazard classes:	
· Explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidizing liquids	Not applicable
· Oxidizing solids	Not applicable
· Organic peroxides	Not applicable
· Corrosive to metals	Not applicable
· Desensitised explosives	Not applicable
· 9.2.2 Other safety characteristics	
· Mechanical sensitivity	Not applicable
· Self-accelerating polymerisation temperature	Not applicable
· Formation of explosible dust/air mixtures	Not applicable
· Acid/alkaline reserve	Not applicable
· Evaporation rate	Not determined
· Miscibility	Not determined
· Conductivity	Not applicable
· Corrosiveness	Not applicable
· Gas group	Not applicable
· Redox potential	Not applicable
· Radical formation potential	Not applicable
· Photocatalytic properties	Not applicable
· Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

· 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

· 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

Issue Date: 2025-01-14

EFW524125179-CG-02

· **10.3 Possibility of hazardous reactions:**

No known hazardous reaction.

· **10.4 Conditions to avoid:**

High temperature.

· **10.5 Incompatible materials:**

Strong oxidizing agent and acids.

· **10.6 Hazardous decomposition products:**

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

· **Acute toxicity:**

Based on available data, the classification criteria are not met.

· **Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

· **Serious eyes damage/ irritation:**

Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitization:**

Based on available data, the classification criteria are not met.

· **Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

· **Carcinogenicity:**

Based on available data, the classification criteria are not met.

· **Reproductive toxicity:**

Based on available data, the classification criteria are not met.

· **STOT-single exposure:**

Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

· **Aspiration hazard:**

Based on available data, the classification criteria are not met.

· **11.2 Information on other hazards**

· **11.2.1 Endocrine disrupting properties:**

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

· **11.2.2 Other information:**

No known other relevant information on adverse health effects.

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

SECTION 12: Ecological information

• 12.1 Toxicity:

Species	Effect dose	Test duration	Value
9002-92-0 Dodecyl alcohol, ethoxylated			
Danio rerio	LC50	96h	2.427 mg/L
Daphnia magna	EC50	48h	9.131 mg/L
Raphidocelis subcapitata	EC50	72h	2.737 mg/L
532-32-1 Sodium benzoate			
Pimephales promelas	LC50	96h	484 mg/L
Daphnia magna	NOEC	21d	5.81 mg/L
Freshwater algae	EC50	72h	30.5 mg/L
Freshwater algae	NOEC	72h	6.5 mg/L

• 12.2 Persistence and degradability:

CAS	Substance	Biodegradation	Hydrolysis
9002-92-0	Dodecyl alcohol, ethoxylated	74, 44 % (28d)	-
532-32-1	Sodium benzoate	75%(30d)	-

• 12.3 Bio-accumulative potential:

CAS	Substance	Log Pow	BCF
9002-92-0	Dodecyl alcohol, ethoxylated	2.26	81.7
532-32-1	Sodium benzoate	1.88	-

• 12.4 Mobility in soil:

CAS	Substance	Surface tension (mN/m)	Log Koc
9002-92-0	Dodecyl alcohol, ethoxylated	36.3(0.1 vol%,23 °C)	1.64
532-32-1	Sodium benzoate	72.9 (1000 mg/l,20°C)	0.85

• 12.5 Results of PBT and vPvB assessment:

This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.

• 12.6 Endocrine disrupting properties:

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

• 12.7 Other adverse effects:

No known other adverse effects.

• 12.8 Additional ecological information

• General notes:

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

• 13.1 Waste treatment methods

• Recommendation:

Small quantities can be disposed together with household garbage.

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

Large quantities disposed must be in according to the local/regional/national/ international regulation.

• **13.2 Un-cleaned packaging**

• **Recommendation:**

Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

• **14.1 UN number or ID number**

• ADR/ADN/RID (2023 Edition)	Not applicable/Not regulated, this product is not subject to ADR/ADN/RID.
• IATA-DGR (66th)	Not applicable/Not regulated, this product is not subject to IATA-DGR.
• IMO/IMDG (41-22)	Not applicable/Not regulated, this product is not subject to IMO/IMDG code.

• **14.2 UN proper shipping name**

• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
• IMO/IMDG (41-22)	Not applicable/Not regulated
• IATA-DGR (66th)	Not applicable/Not regulated

• **14.3 Transport hazard class (es)**

• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
• IMO/IMDG (41-22)	Not applicable/Not regulated
• IATA-DGR (66th)	Not applicable/Not regulated

• **14.4 Packing group**

• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
• IMO/IMDG (41-22)	Not applicable/Not regulated
• IATA-DGR (66th)	Not applicable/Not regulated

• **14.5 Environmental hazards**

• Environmentally hazardous (ADR/ADN/RID)	No
• Marine Pollutants (Yes/No)	No
• Special mark (ADR/ADN/RID)	No

• **14.6 Special precautions for user**

• Danger code (Kemler)	Not applicable/Not regulated
• EMS number	Not applicable/Not regulated

• **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable/Not regulated

SECTION 15: Regulatory information

• **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

• **MAK (German Maximum Workplace Concentration):**

None of the ingredients is listed.

• **Directive 2012/18/EU**

• **Named dangerous substances-ANNEX I:**

None of the ingredients is listed.

• **Seveso category:**

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

Not applicable

• **Qualifying quantity (tonnes) for the application of lower-tier requirements:**

Not applicable

• **Qualifying quantity (tonnes) for the application of upper-tier requirements:**

Not applicable

• **National regulations.**

• **Water hazard class:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

• **Other regulations, limitations and prohibitive regulations**

• **SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

None of the ingredients is listed.

• **REACH Regulation Annex XVII Restriction:**

None of the ingredients is listed.

• **REACH Regulation Annex XIV Authorization List:**

None of the ingredients is listed.

• **15.2 Chemical safety assessment:**

A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

• **16.1 Indication of changes:**

None.

• **16.2 Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Irrit. 2: Skin corrosion/irritation, hazard category 2

Eye Irrit. 2: Eye damage/irritation, hazard category 2

Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3

• **16.3 Key literature references and sources for data:**

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2025-01-14

EFW524125179-CG-02

<https://www.osha.gov/>

<http://www.unece.org/>

<http://www.imo.org/>

<https://www.dguv.de/>

<https://epa.govt.nz/>

<http://www.ilo.org/>

<https://www.phmsa.dot.gov/>

• **16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:**

See section 2.1 (classification).

• **16.5 Relevant H- and EUH-phrases (number and full text):**

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H412 Harmful to aquatic life with long lasting effects

• **16.6 Training advice:**

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

• **16.7 Further information:**

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

End of safety data sheet