



## SAFETY DATA SHEET

### Green

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

Product name Green

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

Identified uses Automotive cleaning product.

##### 1.3. Details of the supplier of the safety data sheet

Supplier Chrome (Northwest) Ltd.  
Unit 2 Norton Way  
Moss Lane Industrial Estate  
Sandbach  
Cheshire  
CW11 3YT  
T: +44 (0) 1606 841870  
E: sales@chromeccp.com

##### 1.4. Emergency telephone number

Emergency telephone +44 (0) 1606 841870  
+44 (0) 7914 768304

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards Not Classified  
Health hazards Eye Irrit. 2 - H319  
Environmental hazards Not Classified

##### 2.2. Label elements

###### Hazard pictograms



Signal word Warning

Hazard statements EUH208 Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.  
H319 Causes serious eye irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/ attention.

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**Detergent labelling** < 5% non-ionic surfactants, < 5% perfumes, Contains BENZISOTHIAZOLINONE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Isodecyl alcohol ethoxylate</b> <span style="float: right;">2.5 - &lt;3%</span> CAS number: 78330-20-8		
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318		
<b>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran</b> <span style="float: right;">0.025 - &lt;0.25%</span> CAS number: 1222-05-5      EC number: 214-946-9      REACH registration number: 01-2119488227-29-XXXX M factor (Acute) = 1      M factor (Chronic) = 1		
<b>Classification</b> Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>1,2-Benzisothiazol-3(2H)-one</b> <span style="float: right;">&lt;0.025%</span> CAS number: 2634-33-5      EC number: 220-120-9 M factor (Acute) = 1		
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400		
<b>Sodium hydroxide</b> <span style="float: right;">&lt;0.025%</span> CAS number: 1310-73-2      EC number: 215-185-5		
<b>Classification</b> Skin Corr. 1A - H314 Eye Dam. 1 - H318		

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information** Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

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<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
<b>Skin contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

#### **4.2. Most important symptoms and effects, both acute and delayed**

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	The product is considered to be a low hazard under normal conditions of use.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged skin contact may cause temporary irritation.
<b>Eye contact</b>	Irritating to eyes.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

#### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

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**Personal precautions** Do not touch or walk into spilled material. Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. For waste disposal, see Section 13. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Keep away from food, drink and animal feeding stuffs. Wear protective clothing as described in Section 8 of this safety data sheet. Handle all packages and containers carefully to minimise spills. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Keep container tightly sealed when not in use. Do not reuse empty containers.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store away from incompatible materials (see Section 10). Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep containers upright. Protect containers from damage.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: Exposure controls/Personal protection**

### 8.1. Control parameters

#### Occupational exposure limits

##### **Sodium hydroxide**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran (CAS: 1222-05-5)**

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<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 22 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 60 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 6.5 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 36 mg/kg/day</p> <p>General population - Oral; Long term systemic effects: 3.8 mg/kg/day</p>
<b>PNEC</b>	<p>Fresh water; 4.4 µg/l</p> <p>Fresh water, Intermittent release; 30 µg/l</p> <p>marine water; 0.44 µg/l</p> <p>STP; 1 mg/l</p> <p>Sediment (Freshwater); 2 mg/kg</p> <p>Sediment (Marinewater); 0.394 mg/kg</p> <p>Soil; 0.31 mg/kg</p> <p>;</p>

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

#### Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

#### Respiratory protection

No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

#### Environmental exposure controls

Keep container tightly sealed when not in use. Avoid release to the environment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Green.
<b>Odour</b>	Pleasant, agreeable.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.

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<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not known.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Kinematic viscosity > 20.5 mm <sup>2</sup> /s.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Other information</b>	No information required.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	See the other subsections of this section for further details.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong acids. Strong oxidising agents.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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<b>ATE oral (mg/kg)</b>	66,896.55
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### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

### Skin corrosion/irritation

**Animal data** Based on available data the classification criteria are not met.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

### Skin sensitisation

**Skin sensitisation** The product contains a small amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### IARC carcinogenicity

Contains a substance/a group of substances which may cause cancer. IARC Group 1  
Carcinogenic to humans.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

#### **Inhalation**

The product is considered to be a low hazard under normal conditions of use.

#### **Ingestion**

May cause discomfort if swallowed.

#### **Skin contact**

May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged skin contact may cause temporary irritation.

#### **Eye contact**

Irritating to eyes.

#### **Route of exposure**

Ingestion Inhalation Skin and/or eye contact

#### **Target organs**

No specific target organs known.

### Toxicological information on ingredients.

## Green

### Isodecyl alcohol ethoxylate

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,940.0

Species Rat

Notes (oral LD<sub>50</sub>) Harmful if swallowed.

ATE oral (mg/kg) 1,940.0

#### Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

### 1,2-Benzisothiazol-3(2H)-one

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 490.0

Species Rat

Notes (oral LD<sub>50</sub>) Harmful if swallowed.

ATE oral (mg/kg) 490.0

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> >2000 mg/kg, Dermal, Rat

#### Skin corrosion/irritation

Animal data Causes skin irritation.

#### Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

#### Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

#### Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative.

Genotoxicity - in vivo DNA damage and/or repair: Negative.

#### Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEL 112 mg/kg/day, Oral, Rat P

#### Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 69 mg/kg/day, Oral, Rat

## SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity



## Green

**Toxicity** Based on available data the classification criteria are not met.

### Ecological information on ingredients.

#### Isodecyl alcohol ethoxylate

**Toxicity** No negative effects on the aquatic environment are known.

#### 1,2-Benzisothiazol-3(2H)-one

**Toxicity** Aquatic Acute 1 - H400 Very toxic to aquatic life.

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 2.15 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 2.9 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 0.11 mg/l, Pseudokirchneriella subcapitata  
NOEC, 72 hours: 0.04 mg/l, Pseudokirchneriella subcapitata

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: 12.8 mg/l, Activated sludge

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

### Ecological information on ingredients.

#### Isodecyl alcohol ethoxylate

**Persistence and degradability** The degradability of the product is not known.

#### 1,2-Benzisothiazol-3(2H)-one

**Phototransformation** Air - DT<sub>50</sub> : 7.568 hours

**Stability (hydrolysis)** pH4 - DT<sub>50</sub> : 219 days @ 50°C  
pH9 - DT<sub>50</sub> : 145 days @ 50°C

**Biodegradation** Water - Degradation 85%: 63 days

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### Ecological information on ingredients.

#### Isodecyl alcohol ethoxylate

**Bioaccumulative potential** No data available on bioaccumulation.

#### 1,2-Benzisothiazol-3(2H)-one

## Green

**Bioaccumulative potential** BCF: 6.62, Lepomis macrochirus (Bluegill)

**Partition coefficient** Water - log Pow: -0.9 - 0.99 @ 20°C

### 12.4. Mobility in soil

**Mobility** No data available.

### Ecological information on ingredients.

#### Isodecyl alcohol ethoxylate

**Mobility** No data available.

#### 1,2-Benzisothiazol-3(2H)-one

**Adsorption/desorption coefficient** Log Koc: 0.97

**Surface tension** 72.6 mN/m @ 20°C

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

#### Isodecyl alcohol ethoxylate

**Results of PBT and vPvB assessment** No data available.

#### 1,2-Benzisothiazol-3(2H)-one

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** Reuse or recycle products wherever possible. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

## Green

Not applicable.

### **14.3. Transport hazard class(es)**

No transport warning sign required.

### **14.4. Packing group**

Not applicable.

### **14.5. Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

### **14.6. Special precautions for user**

Not applicable.

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

## **SECTION 15: Regulatory information**

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

#### **National regulations**

Health and Safety at Work etc. Act 1974 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EH40/2005 Workplace exposure limits.

#### **EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

### **15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

## Green

<b>Abbreviations and acronyms used in the safety data sheet</b>	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
	RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
	IATA: International Air Transport Association.
	ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
	IMDG: International Maritime Dangerous Goods.
	CAS: Chemical Abstracts Service.
	ATE: Acute Toxicity Estimate.
	LC <sub>50</sub> : Lethal Concentration to 50 % of a test population.
	LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose).
	EC <sub>50</sub> : 50% of maximal Effective Concentration.
	PBT: Persistent, Bioaccumulative and Toxic substance.
	vPvB: Very Persistent and Very Bioaccumulative.
<b>Classification abbreviations and acronyms</b>	Eye Irrit. = Eye irritation
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Eye Irrit. 2 - H319: Calculation method.
<b>Training advice</b>	Read and follow manufacturer's recommendations.
<b>Revision comments</b>	This is the first issue.
<b>Revision date</b>	21/10/2019
<b>SDS number</b>	8924
<b>Hazard statements in full</b>	H302 Harmful if swallowed.
	H314 Causes severe skin burns and eye damage.
	H315 Causes skin irritation.
	H317 May cause an allergic skin reaction.
	H318 Causes serious eye damage.
	H319 Causes serious eye irritation.
	H400 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
	EUH208 Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.