

# COO-VAR®

## PAINTS, PRIMERS AND SPECIALISED COATINGS

### SAFETY DATA SHEET

#### 255/W463 - LUMINOUS PAINT

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 255/W463 - LUMINOUS PAINT

Product number 255/W463/280

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

Identified uses Paint.

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

Supplier COO-VAR  
Lockwood Street  
Hull  
HU2 0HN  
+44 (0) 1482 328053(T)  
+44 (0) 1482 219266(F)  
info@coo-var.co.uk

Contact person Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

##### 1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 328053 Coo-Var (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SDS No. 10638

#### SECTION 2: Hazards identification

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

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

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

##### 2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P261 Avoid breathing vapour/ spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye and face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/ container in accordance with national regulations.

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**Supplemental label information** EUH031 Contact with acids liberates toxic gas.  
Contains a biocidal product  
Contains CMIT/MIT (3:1) and BIT. May produce an allergic reaction.

**Supplementary precautionary statements** P403+P235 Store in a well-ventilated place. Keep cool.

### 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>Copper doped zinc sulphide</b>	<b>10-30%</b>
CAS number: 68611-70-1	EC number: 271-904-2

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Not Classified	R31.

<b>Calcium Carbonate</b>	<b>10-30%</b>
CAS number: 1317-65-3	EC number: 215-279-6

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Not Classified	-

<b>BRONOPOL (INN)</b>	<b>&lt;0.048%</b>
CAS number: 52-51-7	EC number: 200-143-0
M factor (Acute) = 1	

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R21/22 Xi;R37/38,R41 N;R50
Acute Tox. 4 - H312	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
Aquatic Acute 1 - H400	

<b>1,2-BENZISOTHIAZOL-3(2H)-ONE</b>	<b>&lt;0.007%</b>	
CAS number: 2634-33-5	EC number: 220-120-9	REACH registration number: 01-2120761540-60-XXXX
M factor (Acute) = 1		

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R22 R43 Xi;R38,R41 N;R50
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	

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<b>ZINC PYRITHIONE</b>	<b>&lt;0.0025%</b>
CAS number: 13463-41-7	EC number: 236-671-3
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 3 - H301	T;R23. Xn;R22. Xi;R41. N;R50.
Acute Tox. 3 - H331	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b>	<b>&lt;0.0014%</b>
CAS number: 55965-84-9	
M factor (Chronic) = 1	
<b>Classification</b>	
Acute Tox. 3 - H301	
Acute Tox. 2 - H310	
Acute Tox. 2 - H330	
Skin Corr. 1 - H314	
Eye Dam. 1 - H318	
Skin Sens. 1B - H317	
Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>General information</b>	Get medical attention promptly if symptoms occur after washing.
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**4.3. Indication of any immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	No specific recommendations.
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**SECTION 5: Firefighting measures**

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### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** The product is non-combustible. Toxic and corrosive gases or vapours.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Avoid the spillage or runoff entering drains, sewers or watercourses. Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. 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. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapours and spray mists. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

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

**Storage precautions** Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight. Keep container tightly closed. Keep containers upright. Store away from the following materials: Oxidising materials. Alkalis. Acids.

### 7.3. Specific end use(s)

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

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**Usage description** Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### Copper doped zinc sulphide

Long-term exposure limit (8-hour TWA): WEL 15 mg/m<sup>3</sup>

##### Calcium Carbonate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### Cellulose, 2 - hydroxyethyl ether, retarded

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> total dust

Short-term exposure limit (15-minute): WEL 4 mg/m<sup>3</sup> resp.dust

##### ZINC PYRITHIONE

Long-term exposure limit (8-hour TWA): WEL 0.35 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### Sodium Benzoate (CAS: 532-32-1)

<b>DNEL</b>	Industry - Dermal; Long term systemic effects: 62.5 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 31.25 mg/kg
	Consumer - Oral; Long term systemic effects: 16.6 mg/kg
	Workers - Inhalation; Long term systemic effects: 3 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 0.1 mg/m <sup>3</sup>
	Consumer - Inhalation; Long term systemic effects: 1.5 mg/m <sup>3</sup>
	Consumer - Inhalation; Long term local effects: 0.06 mg/m <sup>3</sup>

#### 2,2,4 Trimethyl 1,3 Pentanediol Monoisobutyrate (CAS: 25265-77-4)

<b>DNEL</b>	Workers - Dermal; Long term systemic effects: 13.9 mg/kg/day
	Workers - Inhalation; Long term systemic effects: 49 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 8.33 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 8.33 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 14.5 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 0.015 mg/l
	- Sediment (Freshwater); 0.78 mg/kg
	- STP; 7.5 mg/l
	- marine water; 0.002 mg/l
	- Sediment (Marinewater); 0.078 mg/kg
	- Soil; 0.147 mg/kg

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

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<b>Eye/face protection</b>	Wear approved, tight fitting safety glasses where splashing is probable.
<b>Hand protection</b>	To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturer's performance data suggest that the optimum glove for use should be: Neoprene, nitrile, polyethylene or PVC. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. 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.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent reasonably probable skin contact.
<b>Hygiene measures</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
<b>Respiratory protection</b>	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> . In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Viscous liquid. Coloured liquid.
<b>Colour</b>	Light (or pale). Green.
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not determined.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.3 - 1.4 @ @ 20 C°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Miscible with water
<b>Auto-ignition temperature</b>	Not applicable.
<b>Viscosity</b>	2.5 (Rotothinner) P @ 25 C°C
<b>Explosive properties</b>	Not applicable.

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**Explosive under the influence of a flame** Not considered to be explosive.

**Oxidising properties** The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

### 9.2. Other information

**Volatile organic compound** This product contains a maximum VOC content of 22 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents.

### 10.5. Incompatible materials

**Materials to avoid** Strong alkalis. Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No data recorded.

**General information** No specific health hazards known.

**Inhalation** No specific health hazards known.

**Ingestion** No harmful effects expected from quantities likely to be ingested by accident.

**Skin contact** Prolonged contact may cause dryness of the skin.

**Eye contact** May cause temporary eye irritation.

**Acute and chronic health hazards** This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

**Route of exposure** Skin absorption. Ingestion. Skin and/or eye contact.

**Medical considerations** Skin disorders and allergies.

### Toxicological information on ingredients.

#### Calcium Carbonate

#### Acute toxicity - oral

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**Acute toxicity oral (LD<sub>50</sub>  
mg/kg)** 5,000.0

**Species** Rat

**ATE oral (mg/kg)** 5,000.0

**1,2-BENZISOTHIAZOL-3(2H)-ONE****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub>  
mg/kg)** 1,193.0

**Species** Rat

**ATE oral (mg/kg)** 1,193.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)** 4,115.0

**Species** Rat

**ATE dermal (mg/kg)** 4,115.0

**ZINC PYRITHIONE****Acute toxicity - oral**

**ATE oral (mg/kg)** 100.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)** 2,000.0

**Species** Rat

**Skin corrosion/irritation**

**Animal data** Not irritating.

**Respiratory sensitisation**

**Respiratory sensitisation** Not sensitising.

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Carcinogenicity**

**Carcinogenicity** There is no evidence that the product can cause cancer.

**Specific target organ toxicity - repeated exposure**

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

**Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)****Acute toxicity - oral**

**ATE oral (mg/kg)** 100.0

**Acute toxicity - dermal**

**ATE dermal (mg/kg)** 50.0



**255/W463 - LUMINOUS PAINT****Acute toxicity - inhalation**

ATE inhalation (vapours  
mg/l) 0.5

**SECTION 12: Ecological information**

**Ecotoxicity** There are no data on the ecotoxicity of this product.

**12.1. Toxicity****Ecological information on ingredients.****Calcium Carbonate****Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >10 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >1 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: >200 mg/l, Desmodesmus subspicatus

**BRONOPOL (INN)****Acute aquatic toxicity**

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

M factor (Acute) 1

**1,2-BENZISOTHIAZOL-3(2H)-ONE****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: 2.18 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 2.94 mg/l, Daphnia magna

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

**ZINC PYRITHIONE****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: 0.0026 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, ~ 48 hours: 0.0082 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 96 hours: 0.0012 mg/l, Marinewater algae

**Chronic aquatic toxicity**

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M factor (Chronic) 1

### Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

#### Chronic aquatic toxicity

M factor (Chronic) 1

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

#### Ecological information on ingredients.

#### ZINC PYRITHIONE

**Persistence and degradability** The product is readily biodegradable.

#### 12.3. Bioaccumulative potential

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

#### Ecological information on ingredients.

#### ZINC PYRITHIONE

**Bioaccumulative potential** BCF: 50,

**Partition coefficient** log Pow: 0.93

#### 12.4. Mobility in soil

**Mobility** The product contains substances, which are water soluble and may spread in water systems.

#### 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.

#### ZINC PYRITHIONE

**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** Not determined.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** Avoid the spillage or runoff entering drains, sewers or watercourses. Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Avoid the spillage or runoff entering drains, sewers or watercourses.

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**Waste class** When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as non-hazardous waste, with code 08 01 12 (WATER BASED LIQUID WASTE). Part used containers, not drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 08 01 12 (WATER BASED LIQUID WASTE). If mixed with other wastes, the above waste code may not be applicable. Used containers, drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 02 (plastic packaging) or 15 01 04 (metal packaging).

### 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

Not applicable.

**Proper shipping name (ADR/RID)** PAINT OR PAINT RELATED MATERIAL

**Proper shipping name (IMDG)** PAINT OR PAINT RELATED MATERIAL

**Proper shipping name (ICAO)** PAINT OR PAINT RELATED MATERIAL

**Proper shipping name (ADN)** PAINT OR PAINT RELATED MATERIAL

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

Not applicable.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

No information required.

#### 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** The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

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<b>EU legislation</b>	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). 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).
<b>Guidance</b>	Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. GHS: Globally Harmonized System. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. PNEC: Predicted No Effect Concentration. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. SVHC: Substances of Very High Concern. vPvB: Very Persistent and Very Bioaccumulative. cATpE: Converted Acute Toxicity Point Estimate. EC <sub>50</sub> : 50% of maximal Effective Concentration.
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<b>Classification abbreviations and acronyms</b>	Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic) Asp. Tox. = Aspiration hazard Carc. = Carcinogenicity Eye Dam. = Serious eye damage Eye Irrit. = Eye irritation Resp. Sens. = Respiratory sensitisation Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation STOT SE = Specific target organ toxicity-single exposure STOT RE = Specific target organ toxicity-repeated exposure
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<b>Revision comments</b>	Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830 Revision of in can biocides information.
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<b>Issued by</b>	Technical Dept. (P.E.)
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<b>Revision date</b>	25/06/2020
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<b>Revision</b>	8.1
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<b>Supersedes date</b>	03/12/2018
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**SDS number** 10638

**SDS status** Approved.

**Hazard statements in full** H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H330 Fatal if inhaled.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

**Signature** Initials \_\_\_\_\_

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.