

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product Name: Polyester TGIC Free F – Series  
Contains Zinc di(benzothiazol-2-yl) disulphide

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

Identified Use(s): For producing coatings  
Uses Advised Against: None.

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

Manufacturer/supplier: Paramount Powders (UK) Ltd  
Address of Manufacturer: 4 Viveash Close,  
Hayes,  
Middlesex  
UB3 4RY.  
UK  
Telephone: +44 (0)20 8561 5588  
Fax: +44 (0)20 8561 5599  
E-mail address of competent person responsible: sds@paramountpowders.co.uk  
Office hours: 8:30-18:00

### 1.4 Emergency telephone number

+44 (0) 20 8561 5588  
Monday to Thursday, 08:30 – 18:00 GMT  
Friday, 08:30 - 15:30, English

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP) and GB CLP

Aquatic Chronic 3                      H412                      Harmful to aquatic life with long lasting effects

#### 2.1.2 Additional information

See section 16 for full text of Hazard Statements

### 2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Product Name: Polyester TGIC Free F - Series  
Hazard Pictogram(s): No pictogram is used  
Signal Word(s): No signal word is used  
Hazard Statement(s): H412: Harmful to aquatic life with long lasting effects  
Precautionary Statement(s): P273: Avoid release to the environment.  
P501: Dispose of contents/container in accordance with local/national/international regulations.  
Supplementary Hazard Information (EU): EUH208: Contains (Zinc di(benzothiazol-2-yl) disulphide).  
May produce an allergic reaction.  
EUH210: Safety data sheet available on request.  
Hazard Determining Component(s): Zinc di(benzothiazol-2-yl) disulphide

**2.3 Other hazards**

This mixture does not contain substances that are PBT or vPvB. This mixture does not cause endocrine disruption.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

Ingredient	CAS No. / EC No. / Index No.	REACH Registration No.	%w/w	Classification according to Regulation EC 1272/2008 (CLP)	SCL / M-factor / ATE / Particle Characteristics
Limestone	1317-65-3/ 215-279-6	-	10-40	-	WEL
Barium sulphate	7727-43-7/ 231-784-4	-	1-15	-	WEL
Polyethylene homopolymer wax	9002-88-4/ 680-352-5	-	≤5	-	WEL
Carbon black	1333-86-4/ 215-609-9	01-2119384822- 32-	≤5	-	WEL
Zinc di(benzothiazol-2-yl) disulphide	155-04-4/ 205-840-3	-	< 0.5	Skin Sens. 1B H317 Aquatic acute 1 H400 Aquatic Chronic 1 H410	None
Silicon dioxide	7631-86-9/ 231-545-4	-	≤1	-	WEL

For full text of H Statements see section 16.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

General notes	If medical attention is needed, show this safety data sheet to the doctor.
Following inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort occurs.
Following skin contact	Take off immediately all contaminated clothing. Rinse skin with plenty of water. If skin irritation occurs seek medical advice/attention.
Following eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Get medical attention if any discomfort occurs.
Following ingestion	If patient is conscious, rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical attention if any discomfort occurs.
Self-protection of the first aider	No action shall be taken involving any personal risk or without suitable training. If it is suspected that the mixture is still present, wear appropriate personal protective equipment.

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

May cause discomfort if swallowed. May cause stomach pain or vomiting. Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of

developing lung diseases. Prolonged contact may cause dryness of the skin. Dust may cause slight irritation.

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

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media

Use extinguishing media appropriate for surrounding fire such as alcohol resistant foam, carbon dioxide, dry powder, or water fog.

Unsuitable extinguishing media

Alkaline dry chemicals. Do not use water jet as an extinguisher, as this may help spread the fire.

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

Product is not flammable but may combust.

Hazardous combustion products:

Oxides of carbon, barium oxides, calcium oxides, zinc oxides, silicon oxides, nitrogen oxides. Risk of delayed effects from the inhalation of smoke.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus and chemical resistant clothing. Collect the contaminated extinguishing water. 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. Do not allow to enter drains, sewers, or watercourses. Contaminated extinguishing water must be disposed of in accordance with official regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For non-emergency responders

Wear suitable personal protective equipment. Keep unnecessary people away from the spill. Avoid breathing dust. Do not touch or walk into spilled material.

For emergency responders

Wear suitable personal protective equipment. Avoid contact with skin, eyes, and clothing.

### 6.2 Environmental precautions

This product is harmful to aquatic life with long lasting effects. Contain spillage to prevent material damage. Avoid release to the environment. Stop the product from entering drainage systems if you can do so without placing the responder at risk.

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

If using a shovel and/or broom be careful not to create dust clouds. If necessary, dampen with water prior to cleaning up.

Small Spillages: Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar.

Large Spillages: Collect spillage with a shovel and broom, or similar and reuse, if possible.

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. Dispose of waste according to local/national regulations.

### 6.4 Reference to other sections

See also sections 8, 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Avoid generation of dust. Avoid breathing dust. Ensure adequate ventilation. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep only in original packaging. Store away from incompatible materials, in a well-ventilated place. Keep container tightly closed. Store locked up.

Incompatible materials	Strong oxidising and reducing agents.
Storage class	Class 13 Non-flammable solids in non-flammable packages
Storage temperature	Unless the product label or specification indicate otherwise, store at temperatures between 5°C and 25°C

**7.3 Specific end use(s)**

For use in coatings. See the most current Safe Powder Coating Guideline (CEPE, European Council of the Paint, Printing Ink and Artists' Colours Industry).

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**8.1.1 Occupational Exposure Limits**

Supplier's SDS  
Source UK EH40/2005, 4<sup>th</sup> edition 2020. Workplace exposure limits

SUBSTANCE	CAS No	LTEL (8 h TWA ppm)	LTEL (8 h TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Limestone inhalable dust	1317-65-3	-	10	-	-	
Limestone respirable dust	1317-65-3	-	4	-	-	
Barium sulphate Inhalable dust	7727-43-7	-	10	-	-	
Barium sulphate respirable dust	7727-43-7	-	4	-	-	
Polyethylene homopolymer wax inhalable dust	9002-88-4	-	10	-	-	
polyethylene homopolymer wax respirable dust	9002-88-4	-	4	-	-	
Carbon black	1333-86-4-	-	3.5	-	7	
Silica inhalable dust	7631-86-9	-	6	-	-	
Silica respirable dust	7631-86-9	-	2.4	-	-	

**Derived No Effect Level (DNEL) – Workers**

Substance Name	Identity Number	Route of exposure	Acute/short-term exposure		Long-term exposure	
			Systemic effects	Local effects	Systemic effects	Local effects
Barium Sulphate	CAS: 7727-43-7 EC: 231-784-4	INHALATION	No hazard identified	No hazard identified	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
		DERMAL	No hazard identified	No hazard identified	No hazard identified	No hazard identified
		EYE	No hazard identified	No hazard identified	No hazard identified	No hazard identified
Carbon black	CAS: 1333-86-4 EC: 215-609-9	INHALATION	No hazard identified	No hazard identified	1 mg/m <sup>3</sup>	No hazard identified
		DERMAL	No hazard identified	No hazard identified	No hazard identified	No hazard identified
		EYE	No hazard identified	No hazard identified	No hazard identified	No hazard identified
Zinc di(benzothiazol-2-yl) disulphide	CAS: 155-04-4 EC: 205-840-3	INHALATION	No hazard identified	No hazard identified	5.9 mg/m <sup>3</sup>	No hazard identified
		DERMAL	No hazard identified	Medium hazard (no threshold derived)	3.3 mg/kg bw/day	Medium hazard (no threshold derived)
		ORAL	No hazard identified	-	No hazard identified	-

**Derived No Effect Level (DNEL) – General population**

Substance Name	Identity Number	Route of exposure	Acute/short-term exposure		Long-term exposure	
			Systemic effects	Local effects	Systemic effects	Local effects
Barium Sulphate	CAS: 7727-43-7 EC: 231-784-4	INHALATION	No hazard identified	No hazard identified	10 mg/m <sup>3</sup>	No hazard identified
		DERMAL	No hazard identified	No hazard identified	No hazard identified	No hazard identified
		ORAL	No hazard identified	No hazard identified	13000 mg/Kg bw/day	No hazard identified
Carbon black	CAS: 1333-86-4 EC: 215-609-9	INHALATION	No hazard identified	No hazard identified	60 µg/m <sup>3</sup>	No hazard identified
		DERMAL	No hazard identified	No hazard identified	No hazard identified	No hazard identified
		ORAL	No hazard identified	No hazard identified	No hazard identified	No hazard identified
Zinc di(benzothiazol-2-yl) disulphide	CAS: 155-04-4 EC: 205-840-3	INHALATION	No hazard identified	No hazard identified	1 mg/m <sup>3</sup>	No hazard identified
		DERMAL	No hazard identified	Medium hazard (no threshold derived)	1.2 mg/kg bw/day	Medium hazard (no threshold derived)
		ORAL	No hazard identified	-	0.6 mg/kg bw/day	-

**Predicted No Effect Concentration (PNEC)**

Substance Name	Barium Sulfate	Carbon black	Zinc di(benzothiazol-2-yl) disulphide
Identity Number	CAS: 7727-43-7 EC: 231-784-4	CAS: 1333-86-4 EC: 215-609-9	CAS: 155-04-4 EC: 205-840-3
Aqua (fresh water)	0.115 mg/L	50 mg/L	0.0041 mg/L
Aqua (marine water)	-	-	0.00041 mg/L
Freshwater (intermittent releases)	-	-	0.005 mg/L
Sewage Treatment Plants	62.2 mg/L	-	0.3 mg/L
Sediment (fresh water)	600.4 mg/kg sediment dw	-	0.147 mg/kg
Sediment (marine water)	-	-	0.147 mg/k
Soil	207.7 mg/kg soil dw	-	0.027 mg/Kg

**8.2 Exposure controls**

**8.2.1. Appropriate engineering controls**

Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure.

**8.2.2. Personal protection equipment**

**Eye and Face Protection**



Wear safety glasses with side protection (EN166) or goggles giving complete protection to eyes. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Wear tight-fitting, chemical resistant goggles if airborne dust is generated.

**Skin protection – hand**



Wear chemical resistant gloves (EN374). Suitable materials: nitrile rubber, butyl rubber.

Recommended for prolonged, direct contact. Consult the glove supplier for suitability of a specific glove which has to be determined depending on the use conditions. Glove manufacturer's directions for use should be observed.

**Skin protection - other**

Long sleeved protective clothing, safety shoes or boots.

**Respiratory protection**



In case of inadequate ventilation wear respiratory protection. Protection against nuisance dust must be used when the airborne concentration exceeds the limits. For short term activity: use a respirator with an approved filter (EN 143) type P1.

**Thermal hazards**

For operations which result in elevating the temperature of the product, use protective clothing and gloves to prevent skin contact.

**General hygiene**

Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Take off immediately all contaminated clothing. Provide eyewash station and safety shower. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

**8.2.3. Environmental Exposure Controls**

Keep container tightly sealed when not in use. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Do not release into surface water or into drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

(a) Physical state	Dusty powder
(b) Colour	Various colours
(c) Odour	Odourless
(d) Melting point/freezing point:	No data available
(e) Boiling point or initial boiling point and boiling range:	No data available
(f) Flammability (solid):	No data available
(g) Upper/lower explosion limits:	Lower flammable/explosive limit: 20 - 70 g/m <sup>3</sup>
(h) Flash Point:	Not applicable
(i) Auto-ignition temperature:	No data available
(j) Decomposition Temperature (°C):	No data available
(k) pH:	Not applicable
(l) Kinematic viscosity:	Not applicable
(m) Solubility(ies):	Solubility (Water): very low
(n) Partition coefficient: n-octanol/water:	No data available
(o) Vapour pressure:	Not applicable
(p) Density and/or relative density:	1.2 – 1.9
(q) Relative vapour density	Not applicable
(r) Particle characteristics	Not applicable
(s) Explosive properties:	Not explosive
(t) Oxidising properties:	Not oxidising



**9.2 Other information**

Information with regard to physical hazard classes

Not classified.

Minimum ignition temperature 400 °C

Minimum ignition energy 5-20 mJ

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Stable under recommended storage and use conditions.

**10.2 Chemical Stability**

Stable under recommended storage and use conditions.

**10.3 Possibility of hazardous reactions** May react explosively when heated with strong oxidising agents and reducing agents such as powdered aluminium, phosphorus, potassium metal etc.

**10.4 Conditions to avoid**

High temperatures and humidity. Static electricity. Damp conditions/ moisture may reduce the product quality.

**10.5 Incompatible materials**

Strong oxidising agents, strong reducing agents, strong acids, and bases.

**10.6 Hazardous decomposition products**

Oxides of carbon, barium oxides, zinc oxides, silicon oxides, nitrogen oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****(a) acute toxicity**

Acute toxicity - oral Not classified. Based on the available data, the classification criteria are not met  
ATE (mix) > 5000 mg/kg

Acute toxicity - dermal Not classified. Based on the available data, the classification criteria are not met.

Acute toxicity - inhalation Not classified. Based on the available data, the classification criteria are not met.

**(b) skin corrosion/irritation**

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

**(c) serious eye damage/irritation**

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

**d) respiratory or skin sensitisation**  
respiratory sensitisation

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

skin sensitisation

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

**(e) germ cell mutagenicity**

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

**(f) carcinogenicity**

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

**(g) reproductive toxicity**

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



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- |                            |   |
|----------------------------|---|
| (h) STOT-single exposure   | Not classified. Based on the available data, the classification criteria are not met. |
| (i) STOT-repeated exposure | Not classified. Based on the available data, the classification criteria are not met. |
| (j) aspiration hazard      | Not classified. Based on the available data, the classification criteria are not met. |

**Information on likely routes of exposure**

- |            |  |
|------------|--|
| Ingestion  | May cause harm if swallowed. May cause stomach pain or vomiting. Do not induce vomiting.   |
| Skin       | Prolonged contact may cause dryness.   |
| Eyes       | Can cause mild eye irritation.   |
| Inhalation | May irritate the respiratory tract and mucous membrane. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. |

Symptoms related to the physical, chemical and toxicological characteristics.

No specific health hazards known. Dust may irritate the eyes and the respiratory system. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

None known.

**11.2 Information on other hazards**

Endocrine disrupting properties

The mixture does not contain any ingredient that is known to cause endocrine disruption.

Other information

No other information

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Aquatic Chronic 3. Harmful to aquatic life with long lasting effects.

Data on aquatic toxicity – ingredient Zinc di(benzothiazol-2-yl) disulphide CAS:155-04-4

Acute (short-term) toxicity

M factor: 1

- |                                |  |
|--------------------------------|--|
| Fish                           | LC <sub>50</sub> (Oncorhynchus mykiss (rainbow trout)): 0.73 mg/L<br>Exposure time: 96 h   |
| Invertebrates                  | EC <sub>50</sub> (Daphnia magna (Water flea)): 0.71 mg/L<br>Exposure time: 48 h<br>Test Type: static test<br>Method: OECD Test Guideline 202           |
| Algae and other aquatic plants | EC <sub>50</sub> (Desmodesmus subspicatus (green algae)): 0.5 mg/L<br>Exposure time: 72 h<br>Test Type: static test<br>Method: OECD Test Guideline 201 |

Chronic (long-term) toxicity

Not rapidly biodegradable

M factor: 1

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Fish	MATC (Oncorhynchus mykiss (rainbow trout)): 0.041 – 0.078 mg/L
Invertebrates	EC <sub>50</sub> (Daphnia magna (Water flea)): 0.08 mg/L Exposure time: 21 days NOEC (Daphnia magna (Water flea)): 0.08 mg/L Test Type: static test Method: OECD Test Guideline 211
Algae and cyanobacteria	NOEC Selenastrum capricornutum: 0.066 mg/L

Data on aquatic toxicity – ingredient Barium sulphate CAS: 231-784-4

#### Acute (short-term) toxicity

Fish	LC <sub>50</sub> (Danio rerio): >3.5mg/L based on dissolved barium concentration. LC <sub>50</sub> (Danio rerio): 97.5 mg/L based on total barium concentration. Exposure time: 96 h
Invertebrates	EC <sub>50</sub> (Daphnia magna): 14.5 mg/L Exposure time: 48 h
Algae and cyanobacteria	EC <sub>50</sub> (Pseudokirchneriella subcapitata): >1.15 mg/L based on dissolved barium concentrations in solution. EC <sub>50</sub> (Pseudokirchneriella subcapitata): >30.1 mg/L based on total Ba-levels in solution. Exposure time: 72 h

#### Chronic (long-term) toxicity

Rapidly biodegradable.

Fish	NOEC (rainbow trout): ≥ 1.26 mg/L based on dissolved barium concentration NOEC (rainbow trout): ≥ 40.3 mg barium/L based on total barium concentration
Invertebrates	NOEC (daphnia magna): 2.9 mg/L (Fresh water) NOEC (daphnia magna): 10 mg/L (Marine water) Exposure time: 21 d
Algae and cyanobacteria	NOEC (Pseudokirchneriella subcapitata): >1.15 mg/L based on dissolved barium concentrations in solution. NOEC (Pseudokirchneriella subcapitata): >30.1 based on total Ba-levels in solution

#### 12.2 Persistence and degradability

The mixture has low potential for bioaccumulation.

#### 12.3 Bioaccumulative potential

Not expected to bioaccumulate.

#### 12.4 Mobility in Soil

The material is largely insoluble so is expected to have limited mobility in soil.

#### 12.5 Results of PBT and vPvB assessment

Does not contain substances which are assessed as PBT or vPvB.

#### 12.6 Endocrine disrupting properties

The mixture is not known to cause endocrine disruption.

#### **12.7 Other adverse effects**

None known.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### **13.1 Waste treatment methods**

Dispose of waste according to local / national / international legislation. Contaminated packaging should be emptied as far as possible and disposed of in accordance with official regulations after being thoroughly cleaned. Treat uncleaned empty containers in the same way as the product.

### **SECTION 14: TRANSPORT INFORMATION**

According to ADR/ADN/RID/IMDG/ICAO/IATA.

#### **14.1 UN Number or ID number**

Not applicable

#### **14.2 UN Proper shipping name**

Not applicable

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

Not applicable

#### **14.4 Packing Group**

Not applicable

#### **14.5 Environmental Hazards**

ADR/ADN/RID/ICAO/IATA Not applicable

IMDG Code Not applicable

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

Not applicable

#### **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**

Not applicable

### **SECTION 15: REGULATORY INFORMATION**

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

##### **EU legislation**

The product is classified in accordance with EC Regulation 1272/2008 (CLP).

Safety data sheet according to Regulation (EC) No 1907/2006 Annex II (REACH) as amended by COMMISSION REGULATION (EU) 2020/878.

##### **National regulations**

This product is classified and labelled according to Regulation (EC) No. 1272/2008 as amended on classification, labelling and packaging.

Candidate List of Substances of Very High Concern for Authorisation

Not listed

REACH: ANNEX XIV list of substances subject to authorisation  
Not listed

Community Rolling Action Plan (CoRAP)  
Silicon dioxide CAS 7631-86-9  
Carbon black EC 215-609-9 CAS 1333-86-4

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

## 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute Toxicity Estimate
CAS number	Chemical Abstracts Service Number
CLP	Classification, Labelling and Packaging
EC number	European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances number
EC <sub>50</sub>	The effective concentration of substance that causes 50% of the maximum response.
LC <sub>50</sub>	50% lethal concentration. The concentration of a chemical in air or of a chemical in water which causes the death of 50% (one half) of a group of test animals
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LD <sub>50</sub>	Lethal Dose, 50%
LTEL	Long term exposure limit
MATC	Maximum acceptable toxicant concentration
NOEC	No observed effect concentration
PBT	Persistent, bioaccumulative and toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL	Short term exposure limit
STOT	Specific target organ toxicity
STP	Sewage treatment plant
TWA	Time-weighted average
vPvB	very persistent and very bioaccumulative

### Key Literature and sources of data

Suppliers' Safety Data Sheets  
ECHA REACH Dossiers  
EH40  
Supplier SDS

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008 (CLP)

Classification	Classification procedure
Aquatic Chronic 3	Calculation method – exceeded generic concentration limit

**Full list of Hazard Statement(s)**

H317	May cause an allergic skin reaction
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

**Full list of Hazard Class**

Skin Sens. 1	Sensitisation — Skin, hazard category 1
Aquatic acute 1	Hazardous to the aquatic environment – acute hazard, category 1
Aquatic chronic 1	Hazardous to the aquatic environment – chronic hazard, category 1
Aquatic chronic 3	Hazardous to the aquatic environment – chronic hazard, category 3

**Training Advice**

It is recommended that workers are trained in the handling of hazardous chemicals.

**Additional Information**

No additional information

**Indication of changes**

Issue date:	06/07/2023
Previous version:	First version

**Disclaimers**

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