



GV Health  
Life. Protected.

## SAFETY DATA SHEET

SoChlor® Granules (50% NaDCC)  
MFB253, MFB252

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

#### 1.1. Product identifier

Trade name: SoChlor Granules (50% NaDCC)  
Product no.: MFB253, MFB252  
UFI: CF3R-FSPM-8APG-PXDU  
EC-no.: 220-767-7

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

Relevant identified uses of the substance or mixture: Disinfectant

Use descriptors (UK REACH):

| Product category | Description                                          |
|------------------|------------------------------------------------------|
| PC8              | Biocidal Products (e.g. Disinfectants, pest control) |

Uses advised against :

None known.

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

Company and address:

GV Health Ltd.  
Hall House, 2 Arlington Court, Whittle Way,  
Arlington Business Park, Stevenage,  
Hertfordshire, United Kingdom  
T: 01920 463 098  
support@gvhealth.com  
16/01/2023  
3.0  
12/01/2023 (2.0)

E-mail:

Revision:

SDS Version:

Date of previous version:

#### 1.4. Emergency telephone number

UK: Contact The National Poisons Information Service (dial 111, 24 h service).

Ireland: Poisons Information: Contact The National Poisons Information Centre (01 8092166).

See section 4 "First aid measures".

### SECTION 2: HAZARDS IDENTIFICATION

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

PCS No. 101199

Eye Irrit. (Cat 2; H319)  
STOT SE (Cat 3; H335)  
Aquatic Acute (Cat 1; H400)  
Aquatic Chronic (Cat 1; H410)

Causes serious eye irritation.  
May cause respiratory irritation.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

Causes serious eye irritation. (H319)  
May cause respiratory irritation. (H335)

**Safety statement(s):****▼ General:**

Very toxic to aquatic life with long lasting effects. (H410)

**▼ Prevention:**

If medical advice is needed, have product container or label at hand. (P101)  
Keep out of reach of children. (P102)

**▼ Response:**

Wash hands thoroughly after handling. (P264)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

Use only outdoors or in a well-ventilated area. (P271)

Avoid release to the environment. (P273)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

If eye irritation persists: Get medical advice/attention. (P337+P313)

Collect spillage. (P391)

**▼ Storage:**

Store locked up. (P405)

Store in a dry place. Store in a closed container. (P402+P404)

**Disposal:**

Dispose of contents/container in accordance with local regulation. (P501)

**Hazardous substances:**

Troclosene sodium

**Additional labelling:**

EUH031, Contact with acids liberates toxic gas.

EUH206, Warning! Do not use together with other products. May release dangerous gases (chlorine).

Active substance(s):

Troclosene sodium (50 g/100g)

**2.3. Other hazards****Additional warnings:**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Not applicable. This product is a mixture.

**3.2. Mixtures**

| Product/substance | Identifiers                                                                                              | % w/w  | Classification                                                                                                                                            | Note |
|-------------------|----------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Troclosene sodium | CAS No.: 2893-78-9<br>EC No.: 220-767-7<br>UK-REACH: EU 01-2119489371-33-XXXX<br>Index No.: 613-030-01-7 | 40-60% | EUH031<br>Ox. Sol. 2, H272<br>Acute Tox. 4, H302<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) |      |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

-

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### *General information:*

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.  
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### *Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### *Skin contact:*

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### *Eye contact:*

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### *Ingestion:*

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

#### *Burns:*

Not applicable.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

*Information to medics:*

Bring this safety data sheet or the label from this product.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: 2Z

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Avoid inhalation of dust and contact with skin and eyes. Wash thoroughly after dealing with a spillage.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Powder trickling out onto the floor or onto other containers must be prevented.

*Recommended storage material:*

Keep only in original packaging.

*Storage temperature:*

Ambient temperature and humidity, in original packaging securely closed

*Incompatible materials:*

Will not polymerise. The following materials may react with the product: Acids. Alkalis. Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides. Contact with acids liberates toxic gas. Under normal conditions of storage and use, no hazardous reactions will occur.

## 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

### DNEL

Troclosene sodium

| Duration                                          | Route of exposure | DNEL                   |
|---------------------------------------------------|-------------------|------------------------|
| Long term – Systemic effects - General population | Dermal            | 1.15 mg/kg bw/day      |
| Long term – Systemic effects - Workers            | Dermal            | 2.3 mg/kg bw/day       |
| Long term – Systemic effects - General population | Inhalation        | 1.99 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers            | Inhalation        | 8.11 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral              | 1.15 mg/kg bw/day      |

### PNEC

Troclosene sodium

| Route of exposure                 | Duration of Exposure | PNEC       |
|-----------------------------------|----------------------|------------|
| Freshwater                        | Continuous           | 170 ng/L   |
| Freshwater sediment               | Continuous           | 7.56 mg/kg |
| Intermittent release (freshwater) | Continuous           | 1.7 µg/L   |
| Marine water                      | Continuous           | 1.52 mg/L  |
| Sewage treatment plant            | Continuous           | 590 µg/L   |
| Soil                              | Continuous           | 756 µg/kg  |

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

*Exposure limits:*

Occupational exposure limits have not been

**Appropriate technical measures:**

defined for the substances in this product.

Airborne gas and dust concentrations must be kept at a minimum. Provide efficient mechanical ventilation. If not possible use suitable respiratory equipment.

**Hygiene measures:**

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

**Measures to avoid environmental exposure:**

Keep damming materials near the workplace. If possible, collect spillage during work. Keep container tightly sealed when not in use.

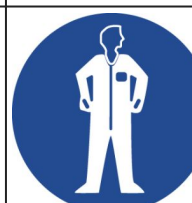
**8.3. Individual protection measures, such as personal protective equipment****Generally:**

Use only UKCA marked protective equipment.

**Respiratory Equipment:**

| Type                     | Class | Colour | Standards |  |
|--------------------------|-------|--------|-----------|--|
| No specific requirements |       |        |           |  |

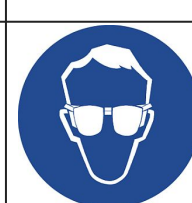
**Skin protection:**

| Recommended                                                                                                                                                | Type/Category                                                    | Standards                                                        |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Standard fabric garments (e.g. cotton overcoat or apron). However, in a professional setting, an in-use risk assessment should determine what is suitable. | As determined in an in-use risk assessment for professional use. | As determined in an in-use risk assessment for professional use. |  |

**Hand protection:**

| Material                                                                                                                                          | Glove thickness (mm)                                                         | Breakthrough time (min.)                                                     | Standards                                                                    |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. | As specified for glove type specified through individual use risk assessment | As specified for glove type specified through individual use risk assessment | As specified for glove type specified through individual use risk assessment |  |

**Eye protection:**

| Type                                                                                           | Standards                                                                                                                                  |                                                                                       |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Chemical splash goggles or face shield, if an in-use risk assessment specifies it is necessary | As determined by specific, an in-use risk assessment. Under normal domestic and professional use, standard safety spectacles are adequate. |  |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

|                                    |                                                                        |
|------------------------------------|------------------------------------------------------------------------|
| <i>Physical state:</i>             | Powder                                                                 |
| <i>Colour:</i>                     | White                                                                  |
| <i>Odour / Odour threshold:</i>    | Chlorine                                                               |
| <i>pH:</i>                         | Testing not relevant or not possible due to the nature of the product. |
| <i>pH in solution:</i>             | 7 - 9 @ 1% (%)                                                         |
| <i>Density (g/cm<sup>3</sup>):</i> | Not applicable                                                         |
| <i>Relative density:</i>           | Not applicable                                                         |
| <i>Kinematic viscosity:</i>        | Not applicable                                                         |
| <i>Particle characteristics:</i>   | Not applicable                                                         |

### Phase changes

|                                                       |                           |
|-------------------------------------------------------|---------------------------|
| <i>Melting point/Freezing point (°C):</i>             | Not applicable            |
| <i>Softening point/range (waxes and pastes) (°C):</i> | Does not apply to solids. |
| <i>Boiling point (°C):</i>                            | Not applicable            |
| <i>Vapour pressure:</i>                               | Not applicable            |
| <i>Relative vapour density:</i>                       | Does not apply to solids. |
| <i>Decomposition temperature (°C):</i>                | Not applicable            |

### Data on fire and explosion hazards

|                                                 |                |
|-------------------------------------------------|----------------|
| <i>Flash point (°C):</i>                        | Not applicable |
| <i>Ignition (°C):</i>                           | Not applicable |
| <i>Auto flammability (°C):</i>                  | Not applicable |
| <i>Lower and upper explosion limit (% v/v):</i> | Not applicable |

### Solubility

|                                     |                    |
|-------------------------------------|--------------------|
| <i>Solubility in water:</i>         | Completely soluble |
| <i>n-octanol/water coefficient:</i> | Not applicable     |
| <i>Solubility in fat (g/L):</i>     | Not applicable     |

### 9.2. Other information

|                                                 |                    |
|-------------------------------------------------|--------------------|
| <i>Evaporation rate (n-butylacetate = 100):</i> | Not applicable     |
| <i>Other physical and chemical parameters:</i>  | No data available. |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Contact with acids liberates toxic gas.  
Warning! Do not use in combination with other products. May release dangerous gases (chlorine).

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.  
The following materials may react with the product: Alkalis. Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides. Under normal conditions of storage and use, no hazardous reactions will occur.

**10.4. Conditions to avoid**

Avoid the following conditions: Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

**10.5. Incompatible materials**

Flammable/combustible materials. Moisture. Avoid contact with acids and alkalis. Avoid contact with strong oxidising agents. Avoid contact with strong reducing agents. Hydrocarbons. Inorganic nitrates. Inorganic nitrites. Organic compounds.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

Heating may generate the following products: Carbon monoxide (CO). Oxides of nitrogen. Hydrogen chloride (HCl). Isocyanates. Chlorine.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law****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 eye damage/irritation**

Causes serious eye irritation.

**Respiratory sensitisation**

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

**Skin sensitisation**

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**

May cause respiratory irritation.

**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****Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Endocrine disrupting properties**

None known.

**Other information**

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

|                   |                                  |
|-------------------|----------------------------------|
| Product/substance | Troclosene sodium                |
| Test method       |                                  |
| Species           | Fish, <i>Oncorhynchus mykiss</i> |
| Compartment       |                                  |
| Duration          | 96 hours                         |
| Test              | LC50                             |
| Result            | 0,38 mg/L                        |
| Other information |                                  |

|                   |                               |
|-------------------|-------------------------------|
| Product/substance | Troclosene sodium             |
| Test method       |                               |
| Species           | Daphnia, <i>Daphnia magna</i> |
| Compartment       |                               |
| Duration          | 48 hours                      |
| Test              | EC50                          |
| Result            | < 1mg NaDCC mg/L              |
| Other information |                               |

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Endocrine disrupting properties

None known.

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 - Acute toxicity

HP 12 - Release of an acute toxic gas

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### EWC code

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

General Information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### Specific labelling

Not applicable.

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

|      | 14.1<br>UN / ID | 14.2<br>UN proper<br>shipping name                                     | 14.3<br>Hazard class(es)                                                                                                                | 14.4<br>PG* | 14.5<br>Env** | Other<br>information                                                                              |
|------|-----------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|---------------------------------------------------------------------------------------------------|
| ADR  | UN3077          | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium) | Class: 9<br>Labels: 9<br>Classification code: M7<br>  | III         | Yes           | Limited quantities: 5 kg<br>Tunnel restriction code: (-)<br>See below for additional information. |
| IMDG | UN3077          | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium) | Class: 9<br>Labels: 9<br>Classification code: M7<br> | III         | Yes           | Limited quantities: 5 kg<br>EmS: F-A S-F<br>See below for additional information.                 |
| IATA | UN3077          | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium) | Class: 9<br>Labels: 9<br>Classification code: M7<br> | III         | Yes           | See below for additional information.                                                             |

\* Packing group

\*\* Environmental hazards

### Additional information

These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 - 4.1.1.8 (ADR,

IMDG) / 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA).

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ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

Hazchem Code: 2Z

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

### SECTION 15: REGULATORY INFORMATION

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

*Restrictions for application:*

None known.

*Demands for specific education:*

No specific requirements.

*SEVESO - Categories / dangerous substances:*

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

*Biocidal Products Regulations:*

Product type:  
PT2 - Disinfectants and algacides not intended for direct application to humans or animals, PT4 - Food and feed area

▼ *Restrictions on use:*

-

*Directions for use and dose rate:*

-

*Additional information:*

-

*Additional information:*

Not applicable.

*Sources:*

Control of Major Accident Hazards (COMAH) Regulations 2015.  
In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.  
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.  
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

**15.2. Chemical safety assessment**

No

**SECTION 16: OTHER INFORMATION****Full text of H-phrases as mentioned in section 3**

EUH031, Contact with acids liberates toxic gas.  
H272, May intensify fire; oxidiser.  
H302, Harmful if swallowed.  
H319, Causes serious eye irritation.  
H335, May cause respiratory irritation.  
H400, Very toxic to aquatic life.  
H410, Very toxic to aquatic life with long lasting effects.

**The full text of identified uses as mentioned in section 1**

PC8 = Biocidal Products (e.g. Disinfectants, pest control)

**Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

**Additional information**

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

**Disclaimer**

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/herself as to the suitability of such information for his/her own particular use.

Country-language: GB-en

**End of Safety Data Sheet**