

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product identifier:**

**Product name:** Sodium Chlorite 25%  
**CAS number:** 7758-19-2  
**EC number:** 231-836-6

**Relevant identified uses of the substance or mixture and uses advised against:**

**Identified uses:** Cleaning agent. Bleaching agent. Disinfectant.

**Company name:** Nexchem Ltd  
Unit 3 Barshaw Park  
Leycroft Road  
Leicester  
LE4 1ET  
Tel: 0116 2311130  
24/7 Emergency Tel: 0800 246 1274  
Email: [sales@nexchem.co.uk](mailto:sales@nexchem.co.uk)

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification (EC 1272/2008):**

**Physical hazards:** Met. Corr. 1 - H290  
**Health hazards:** Acute Tox. 4 - H302 Eye Dam. 1 - H318 STOT RE 2 - H373  
**Environmental hazards:** Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

**Label elements:**

**EC number:** 231-836-6

**Hazard pictogram:**



**Signal word:** Danger

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<b>Hazard statements:</b>	H290 May be corrosive to metals. H302 Harmful if swallowed. H318 Causes serious eye damage. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements:</b>	P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTRE/doctor.
<b>Supplemental label information:</b>	EUH032 Contact with acids liberates very toxic gas.
<b>Contains:</b>	Sodium Chlorite
<b>Supplementary precautionary statements:</b>	P234 Keep only in original packaging. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P314 Get medical advice/attention if you feel unwell. P330 Rinse mouth. P390 Absorb spillage to prevent material damage. P391 Collect spillage. P406 Store in a corrosion-resistant container with a resistant inner liner. P501 Dispose of contents/ container in accordance with national regulations.
<b>Other hazards:</b>	This product does not contain any substances classified as PBT or vPvB.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Mixtures:</b>	
<b>Sodium Chlorite:</b>	20 - 30%
<b>CAS number:</b>	7758-19-2
<b>EC number:</b>	231-836-6
<b>REACH registration number:</b>	01-2119529240-51-XXXX
<b>M factor (Acute):</b>	1

[cont...]

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**Classification:**

Ox. Sol. 1 - H271  
Acute Tox. 3 - H301  
Acute Tox. 2 - H310  
Skin Corr. 1B - H314  
Eye Dam. 1 - H318  
STOT RE 2 - H373  
Aquatic Acute 1 - H400  
Aquatic Chronic 3 - H412

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

#### 4. FIRST AID MEASURES (SYMPTOMS)

**Description of first aid measures:**

**General information:** Show this Safety Data Sheet to the medical personnel.

**Inhalation:** 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. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. Get medical attention if symptoms are severe or persist.

**Ingestion:** Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. Get medical attention.

**Skin contact:** Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact:** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

**Protection of first aiders:** First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

**Inhalation:** This product is strongly irritating. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

**Ingestion:** May be harmful if swallowed. May cause chemical burns in mouth and throat. Stomach pain. Nausea, vomiting.

**Skin contact:** May cause irritation. Redness. Itchiness.

**Eye contact:** Causes serious eye damage. Pain. Profuse watering of the eyes. Redness.

[cont...]

**Indication of any immediate medical attention and special treatment needed:**

**Notes for the doctor:** Treat symptomatically. Keep affected person under observation. Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:** Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media:** Do not use the following: Carbon dioxide (CO<sub>2</sub>).

**Special hazards arising from the substance or mixture:**

**Specific hazards:** Containers can burst violently or explode when heated, due to excessive pressure build-up. This product is toxic. Severe corrosive hazard. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

**Hazardous combustion products:** Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Chlorine. Oxides of the following substances: Sodium.

**Advice for firefighters:**

**Protective actions during firefighting:** Evacuate area. Avoid breathing fire gases or vapours. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. 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. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters:** Regular protection may not be safe. Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

**Personal precautions:** Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. No action shall be taken without appropriate training or involving any personal risk. Follow precautions for safe handling described in this safety data sheet. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Avoid inhalation of dust and vapours. Avoid contact with skin and eyes. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.

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**Environmental precautions:** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Do not allow to dry Avoid or minimise the creation of any environmental contamination.

#### **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. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Approach the spillage from upwind. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labelled, sealed containers. The contaminated absorbent may pose the same hazard as the spilled material. Clean contaminated objects and areas thoroughly, observing environmental regulations. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**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.

## **7. HANDLING AND STORAGE**

#### **Precautions for safe handling:**

**Usage precautions:** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. This product is toxic. Avoid contact with acids. Contact with acids liberates very toxic gas. This product is corrosive. Immediate first aid is imperative. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers. Do not allow to dry out.

**Advice on general occupational hygiene:** Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. Change work clothing daily before leaving workplace. Take off contaminated clothing and wash it before reuse. Care should be taken to avoid contact with contaminants when removing contaminated clothing.

#### **Conditions for safe storage, including any incompatibilities:**

**Storage precautions:** Store in accordance with local regulations. Store away from incompatible materials (see Section 10). Keep away from flammable and combustible materials. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. Protect from sunlight.

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

[cont...]

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters:

### Occupational exposure limits:

**Sodium Chlorite:** Short-term exposure limit (15-minute): WEL 0.5 ppm 1.5 mg/m<sup>3</sup> as Cl<sub>2</sub>  
Long-term exposure limit (8-hour TWA): WEL 0.1 ppm 0.28 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 0.3 ppm 0.84 mg/m<sup>3</sup> as ClO<sub>2</sub>

WEL = Workplace Exposure Limit.

### Sodium Chlorite (CAS: 7758-19-2):

**DNEL:** Workers - Dermal; Short term systemic effects: 0.58 mg/kg/day  
Workers - Dermal; Long term systemic effects: 0.58 mg/kg/day  
Workers - Inhalation; Short term systemic effects: 0.41 mg/kg/day, mg/m<sup>3</sup>  
Workers - Inhalation; Long term systemic effects: 0.41 mg/m<sup>3</sup>  
Consumer - Dermal; Short term systemic effects: 0.29 mg/kg/day  
Consumer - Inhalation; Short term systemic effects: 0.1 mg/m<sup>3</sup>  
Consumer - Dermal; Long term systemic effects: 0.29 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 0.1 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 0.029 mg/kg/day  
Consumer - Oral; Short term systemic effects: 0.029 mg/kg/day

**PNEC:** Fresh water; 0.00065 mg/l  
Marine water; 0.000065 mg/l  
Intermittent release; 0.0065 mg/l  
STP; 1 mg/l

### Exposure controls:

### Protective equipment:



**Appropriate engineering controls:** Provide adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

**Eye/face protection:** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

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- Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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:** Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible. Wear an apron.
- Hygiene measures:** Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Warn cleaning personnel of any hazardous properties of the product.
- Respiratory protection:** Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.
- Environmental exposure controls:** Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties:

<b>Appearance:</b>	Liquid.
<b>Colour:</b>	Yellow.
<b>Odour:</b>	Chlorine.
<b>pH:</b>	pH (concentrated solution): >12
<b>Melting point:</b>	-18°C
<b>Initial boiling point and range:</b>	106°C
<b>Flash point:</b>	Not relevant.
<b>Vapour pressure:</b>	2.33 kPa @ 20°C
<b>Bulk density:</b>	1.205 - 1.225 kg/l
<b>Solubility(ies):</b>	Miscible with water.
<b>Viscosity:</b>	20.66 mPa s @ 20°C
<b>Explosive properties:</b>	Not considered to be explosive.
<b>Oxidising properties:</b>	Does not meet the criteria for classification as oxidising.

[cont...]

## 10. STABILITY AND REACTIVITY

- Reactivity:** This product is a very reactive substance that can react with many inorganic and organic compounds.
- Chemical stability:**
- Stability:** Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions. Decomposes on heating.
- Possibility of hazardous reactions:** The following materials may react with the product: Organic compounds. Reducing agents. Oxidising materials. Acids.
- Conditions to avoid:** Avoid heat. Do not allow to dry out. Avoid exposure to high temperatures or direct sunlight.
- Incompatible materials:**
- Materials to avoid:** Acids. Reducing agents. Organic compounds. Oxidising agents.
- Hazardous decomposition products:** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Chlorine.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

#### Acute toxicity – oral:

**Notes (oral LD<sub>50</sub>):** Acute Tox. 4 - H302 Harmful if swallowed.

**ATE oral (mg/kg):** 1,136.0

#### Acute toxicity – dermal:

**Notes (dermal LD<sub>50</sub>):** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit

#### Skin corrosion/irritation:

**Skin corrosion/irritation:** Not irritating.

#### Serious eye damage/irritation:

**Serious eye damage/irritation:** Eye Dam. 1 - H318 Causes serious eye damage.

#### Specific target organ toxicity - repeated exposure:

**STOT - repeated exposure:** STOT RE 2 - H373 May cause damage to organs (Spleen) through prolonged or repeated exposure.

**Target organs:** Spleen



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**Toxicological information on ingredients:** Sodium Chlorite

**Acute toxicity – oral:**

**Acute toxicity oral (LD<sub>50</sub> mg/kg):** 284.0

**Species:** Rat

**ATE oral (mg/kg):** 284.0

**Acute toxicity – dermal:**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg):** 134.0

**Species:** Rabbit

**ATE dermal (mg/kg):** 134.0

**Acute toxicity – inhalation:**

**Notes (inhalation LC<sub>50</sub>):** Not relevant.

**Skin corrosion/irritation:**

**Skin corrosion/irritation:** Corrosive to skin.

**Serious eye damage/irritation:**

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

**Skin sensitisation:**

**Skin sensitisation:** Not sensitising.

**Germ cell mutagenicity:**

**Genotoxicity - in vitro:** Negative.

**Genotoxicity - in vivo:** Negative.

**Carcinogenicity:**

**Carcinogenicity:** No evidence of carcinogenicity in animal studies.

**Reproductive toxicity:**

**Reproductive toxicity – fertility:** This substance has no evidence of toxicity to reproduction.

**Reproductive toxicity – development:** This substance has no evidence of toxicity to reproduction.

**Specific target organ toxicity - single exposure:**

**STOT - single exposure:** Data lacking.

**Specific target organ toxicity - repeated exposure:**

**STOT - repeated exposure:** NOAEL 10 mg/kg bw/d, Oral, Rat STOT RE 2 - H373 May cause damage to organs (Spleen) through prolonged or repeated exposure.

**Target organs:** Spleen

[cont...]

## 12. ECOLOGICAL INFORMATION

**Toxicity:** Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

### Ecological information on ingredients:

#### Sodium Chlorite:

##### 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: 105 mg/l, Cyprinodon variegatus (Sheepshead minnow)

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

**Acute toxicity – aquatic plants:** EC<sub>50</sub>, 96 hours: 1 mg/l, Fish  
IC<sub>50</sub>, 96 hours: 1 mg/l, Selenastrum capricornutum

### Persistence and degradability:

#### Ecological information on ingredients:

#### Sodium Chlorite:

**Persistence and degradability:** Substance is inorganic.

### Bioaccumulative potential:

#### Ecological information on ingredients:

#### Sodium Chlorite:

**Bioaccumulative potential:** Bioaccumulation is unlikely.

### Mobility in soil:

#### Ecological information on ingredients:

#### Sodium Chlorite:

**Mobility:** No data available.

### Results of PBT and vPvB assessment:

#### Ecological information on ingredients:

#### Sodium Chlorite:

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

### Other adverse effects:

#### Ecological information on ingredients:

#### Sodium Chlorite:

**Other adverse effects:** None known.

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

**General information:**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. 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. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Do not allow product to reach sewage system

**Disposal methods:**

Dispose of contents/container in accordance with national regulations.

### 14. TRANSPORT INFORMATION

**UN number:**

**UN No. (ADR/RID):** 1908

**UN No. (IMDG):** 1908

**UN No. (ICAO):** 1908

**UN No. (ADN):** 1908

**UN proper shipping name:**

**Proper shipping name (ADR/RID):** CHLORITE SOLUTION

**Proper shipping name (IMDG):** CHLORITE SOLUTION

**Proper shipping name (ICAO):** CHLORITE SOLUTION

**Proper shipping name (ADN):** CHLORITE SOLUTION

**Transport hazard class(es):**

**ADR/RID class:** 8

**ADR/RID classification code:** C9

**ADR/RID label:** 8

**IMDG class:** 8

**ICAO class/division:** 8

**ADN class:** 8

**Transport labels:**



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**Packing group:**

ADR/RID packing group: II  
IMDG packing group: II  
ADN packing group: II  
ICAO packing group: II

**Environmental hazards:**

**Environmentally hazardous substance/marine pollutant:**



**Special precautions for user:**

EmS: F-A, S-B  
ADR transport category: 2  
Emergency Action Code: 2X  
Hazard Identification Number (ADR/RID): 80  
Tunnel restriction code: (E)

**Transport in bulk according to Annex II of MARPOL and the IBC Code:**

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

## 15. REGULATORY INFORMATION

**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).

**Chemical safety assessment:**

No chemical safety assessment has been carried out.

[cont...]

**Note:** The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

### Abbreviations and acronyms used in the safety data sheet:

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-TI: 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.  
DNEL: Derived No Effect Level.  
PNEC: Predicted No Effect Concentration.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
NOAEL: No Observed Adverse Effect Level.  
UN: United Nations.  
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).

### Classification abbreviations and acronyms:

Met. Corr. = Corrosive to metals  
Acute Tox. = Acute toxicity  
Eye Dam. = Serious eye damage  
STOT RE = Specific target organ toxicity-repeated exposure  
Aquatic Acute = Hazardous to the aquatic environment (acute)  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Classification procedures according to Regulation (EC) 1272/2008:

Acute Tox. 4 - H302: Eye Dam. 1 - H318: STOT RE 2 - H373: Calculation method. Aquatic Acute 1 - H400: Aquatic Chronic 3 - H412: Calculation method. Met. Corr. 1 - H290: Expert judgement.

[cont...]

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**Hazard statements in full:**

H271 May cause fire or explosion; strong oxidiser.  
H290 May be corrosive to metals.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs (Spleen) through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

**Legal disclaimer:**

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.