# Safety Data Sheet

**according to UK REACH (SI 2020/1577) as amended**

Issue date: 02.12.2025 Version number: 1 Revision date: 02.12.2025

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

· **1.1 Product identifier**

· **Trade name: DiOx Ultra**

· **Registration number** Mixture
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Product category**
PC8 Biocidal products
PC37 Water treatment chemicals
· **Application of the substance / the mixture** Biocide
· **Uses advised against** Any use not specified above.

· **1.3 Details of the supplier of the safety data sheet**
· **Supplier:**
Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS
UK

Tel: +44 (0)1242 662700 (office hours)
email: sales@cpc-chemicals.co.uk

· **Further information obtainable from:** Product safety department.
· **1.4 Emergency telephone number:**
Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

## SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to GB-CLP**

| | |
|---|---|
| Ox. Sol. 2 | H272 May intensify fire; oxidiser. |
| Acute Tox. 4 | H302 Harmful if swallowed. |
| Acute Tox. 3 | H311 Toxic in contact with skin. |
| Skin Corr. 1B | H314 Causes severe skin burns and eye damage. |
| Eye Dam. 1 | H318 Causes serious eye damage. |
| STOT RE 2 | H373 May cause damage to organs through prolonged or repeated exposure. |
| Aquatic Chronic 1 | H410 Very toxic to aquatic life with long lasting effects. |

· **2.2 Label elements**
· **Labelling according to GB-CLP** The product is classified and labelled according to the GB CLP regulation.
· **Hazard pictograms**

GHS03 GHS05 GHS06 GHS08 GHS09

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· **Signal word** Danger

· **Hazard-determining components of labelling:**
Sodium chlorite
Sodium bisulphate
Disodium carbonate, compound with hydrogen peroxide (2:3)
· **Hazard statements**
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.
· **Precautionary statements**
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.
P310 Immediately call a POISON CENTER/doctor.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.
· **Additional information:**
EUH032 Contact with acids liberates very toxic gas.
Contains biocidal active substance(s): Sodium chlorite
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **Determination of endocrine-disrupting properties** Not applicable

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

| · **Dangerous components:** | | |
|---|---|---|
| CAS: 7681-38-1<br>EINECS: 231-665-7<br>Index number: 016-046-00-X<br>Reg.nr.: 01-2119552465-36-XXXX | Sodium bisulphate<br>Eye Dam. 1, H318 | 25 – 50% |
| CAS: 7758-19-2<br>EINECS: 231-836-6<br>Reg.nr.: 01-2119529240-51-XXXX | Sodium chlorite<br>Ox. Sol. 1, H271; Acute Tox. 3, H301; Acute Tox. 2, H310; STOT RE 2, H373; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Chronic 1, H410, EUH032, EUH071 | 25 – 50% |
| CAS: 15630-89-4<br>EINECS: 239-707-6<br>Reg.nr.: 01-2119457268-30-XXXX | Disodium carbonate, compound with hydrogen peroxide (2:3)<br>Ox. Sol. 3, H272; Eye Dam. 1, H318; Acute Tox. 4, H302<br>Specific concentration limits: Eye Dam. 1; H318: C ≥ 25 %<br>Eye Irrit. 2; H319: 7.5 % ≤ C < 25 % | 2.5 – < 7.5% |

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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
In case of irregular breathing or respiratory arrest provide artificial respiration.
Rinse contaminated clothes (fire hazard) with plenty of water.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
Chemical burns must be treated promptly by a physician.
· **After eye contact:**
Check for and remove any contact lenses.
Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:** Do not induce vomiting; call for medical help immediately.
· **Information for doctor:** Treat symptomatically and supportively.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
Water spray, dry powder or foam.
Use fire extinguishing methods suitable to surrounding conditions.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture**
Strong oxidiser. Contact with combustible or flammable substances may cause fire.
In case of fire, the following can be released:
Chlorine gas
Hydrogen chloride (HCl)
Sulphur Oxides (SOx)
Oxygen
· **5.3 Advice for firefighters** DO NOT FIGHT FIRE when it reaches material. Withdraw from fire and let it burn.
· **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
· **Additional information**
Cool endangered receptacles with water spray.
Absorb gas/vapours with water spray.

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Collect contaminated fire fighting water separately. It must not enter the sewage system.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Keep ignition sources away - no smoking.
· **6.2 Environmental precautions:**
Do not allow to penetrate the ground/soil.
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
· **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Ensure adequate ventilation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Thorough dedusting.
Ensure good ventilation/exhaustion at the workplace.
Do not mix with acids.
Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.
Safety showers and eye wash facilities should be available at the work area.
Rinse contaminated clothing with plenty of water (Fire hazard)
· **Information about fire - and explosion protection:** Keep respiratory protective device available.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Do not store on combustible materials such as wooden floors or wooden pallets.
· **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from combustible materials.
Store away from reducing agents.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Store under lock and key and with access restricted to technical experts or their assistants only.
· **Storage class:** 5.1 B
· **7.3 Specific end use(s)** No further relevant information available.



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## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

| · **DNELs** | | |
|---|---|---|
| **CAS: 7758-19-2 Sodium chlorite** | | |
| Oral | Long-term systemic effects | 40 µg/kg bw/day (general population) |
| | Short-term systemic effects | 40 µg/kg bw/day (general population) |
| Dermal | Long-term systemic effects | 400 µg/kg bw/day (general population) |
| | | 800 µg/kg bw/day (worker) |
| | Short-term systemic effects | 400 µg/kg bw/day (general population) |
| | | 800 µg/kg bw/day (worker) |
| Inhalative | Long-term systemic effects | 70 µg/m³ (general population) |
| | | 280 µg/m³ (worker) |
| | Short-term systemic effects | 70 µg/m³ (general population) |
| | | 280 µg/m³ (worker) |
| **CAS: 15630-89-4 Disodium carbonate, compound with hydrogen peroxide (2:3)** | | |
| Dermal | Long-term local effects | 6.4 mg/kg bw/day (general population) |
| | | 12.8 mg/kg bw/day (worker) |
| | Short-term local effects | 6.4 mg/kg bw/day (general population) |
| | | 12.8 mg/kg bw/day (worker) |
| Inhalative | Long-term local effects | 5 mg/m³ (worker) |

| · **PNECs** | |
|---|---|
| **CAS: 7681-38-1 Sodium bisulphate** | |
| Freshwater | 11.09 mg/L |
| Freshwater - Intermittent releases | 17.66 mg/L |
| Marine water | 1.109 mg/L |
| Sewage Treatment Plant | 800 mg/L |
| Sediment (freshwater) | 40.2 mg/kg |
| Sediment (marine water) | 4.02 mg/kg |
| Soil | 1.54 mg/kg |
| **CAS: 7758-19-2 Sodium chlorite** | |
| Freshwater | 650 ng/L |
| Freshwater - Intermittent releases | 6.5 µg/L |
| Marine water | 65 ng/L |
| Sewage Treatment Plant | 1 mg/L |
| **CAS: 15630-89-4 Disodium carbonate, compound with hydrogen peroxide (2:3)** | |
| Freshwater | 35 µg/L |
| Freshwater - Intermittent releases | 35 µg/L |

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| | |
|---|---|
| Marine water | 35 µg/L |
| Sewage Treatment Plant | 16.24 mg/L |

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Do not breathe dust
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
Ensure that eyewash stations and safety showers are close to the workstation location.
Contaminated clothes are a fire hazard. Rinse with plenty of water.
· **Respiratory protection:**

When dust/mist are present use a Particulate filter, type P2.

· **Hand protection**

Protective gloves.
Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye/face protection**

Safety glasses with side-shields conforming to EN166.
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Use visor if handling dust.

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· **Body protection:**

Flame retardant antistatic protective clothing.

Do not get on skin or clothing. Wear clothing and footwear that cannot be penetrated by the product. Suitable protective equipment may include: Chemical resistant boots, Chemical resistant apron, Full chemical protective suit with a hood, Chemical protective suit consisting of a jacket and trousers. The jacket should be buttoned up to the neck, sleeves sealed at the gloves, and trouser legs worn outside the boots. These precautions are required to prevent the clothing from accidentally trapping product against the skin.

· **Environmental exposure controls** Do not allow to enter drains, sewers or watercourses.

· **Risk management measures**

The operators shall be instructed adequately.

The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

## SECTION 9: Physical and chemical properties

| | |
|---|---|
| · **9.1 Information on basic physical and chemical properties** | |
| · **General Information** | |
| · **Physical state** | Solid |
| · **Colour:** | Off-white |
| · **Odour:** | Chlorine-like |
| · **Melting point/freezing point:** | Undetermined |
| · **Boiling point or initial boiling point and boiling range** | Undetermined |
| · **Flammability** | Not determined |
| · **Lower and upper explosion limit** | |
| · **Lower:** | Not applicable |
| · **Upper:** | Not applicable |
| · **Flash point:** | Not applicable |
| · **Auto-ignition temperature:** | Not applicable |
| · **Decomposition temperature:** | > 180 °C |
| · **pH at 20 °C** | 6 (10%) |
| · **Viscosity:** | |
| · **Kinematic viscosity** | Not applicable |
| · **Dynamic:** | Not applicable |
| · **Solubility** | |
| · **water:** | Soluble. |
| · **Partition coefficient n-octanol/water (log value) at 25 °C** | 2.7 log POW |
| · **Vapour pressure:** | Not applicable |
| · **Density and/or relative density** | |
| · **Density:** | Not determined |
| · **Relative density** | Not determined |
| · **Vapour density** | Not applicable |
| · **Particle characteristics** | Not applicable |

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| | |
|---|---|
| · **9.2 Other information** | |
| · **Appearance:** | |
| · **Form:** | Tablets |
| · **Important information on protection of health and environment, and on safety.** | |
| · **Ignition temperature:** | Product is not self-igniting. |
| · **Explosive properties:** | Product does not present an explosion hazard. |
| · **Change in condition** | |
| · **Evaporation rate** | Not applicable. |
| · **Information with regard to physical hazard classes** | Not applicable |
| · **Oxidising solids** | May intensify fire; oxidiser. |

## SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
Oxygen released during thermal decomposition may support combustion.
· **10.3 Possibility of hazardous reactions**
Contact with acids releases toxic gases.
Reacts violently with combustible and reducing materials, causing fire and explosion hazard.
· **10.4 Conditions to avoid** Heat and static discharge.
· **10.5 Incompatible materials:**
Acids
Combustible materials.
Reducing agents
Nitrogen compounds
· **10.6 Hazardous decomposition products:**
Chlorine
Hydrogen chloride (HCl)
Oxygen
Sulphur oxides (SOx)

## SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity**
Harmful if swallowed.
Toxic in contact with skin.

· **LD/LC50 values relevant for classification:**

| **ATE (Acute Toxicity Estimates)** | | |
|---|---|---|
| Oral | LD50 | 975.99 mg/kg (rat) |
| Dermal | LD50 | 478.57 mg/kg (rabbit) |

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| | | |
|---|---|---|
| **CAS: 7681-38-1 Sodium bisulphate** | | |
| Oral | LD50 | > 2,000 mg/kg (rat) |
| **CAS: 7758-19-2 Sodium chlorite** | | |
| Oral | LD50 | 284 mg/kg (rat) |
| Dermal | LD50 | 134 mg/kg (rabbit) |
| **CAS: 15630-89-4 Disodium carbonate, compound with hydrogen peroxide (2:3)** | | |
| Oral | LD50 | 1,034 mg/kg (rat) |
| Dermal | LD50 | > 2,000 mg/kg (rabbit) |

· **Primary irritant effect:**
· **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
· **Serious eye damage/irritation** Causes serious eye damage.
· **Respiratory or 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** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure**
May cause damage to organs through prolonged or repeated exposure.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **Additional toxicological information:**
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach.
Inhalation may cause lung oedema, but only after initial corrosive effects on eyes and/or airways have become manifest. The symptoms of lung oedema often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation are therefore essential. Immediate administration of an appropriate inhalation therapy by a doctor or a person authorized by him/her, should be considered.
· **11.2 Information on other hazards**

| · **Endocrine disrupting properties** |
|---|
| None of the ingredients are listed. |

## SECTION 12: Ecological information

· **12.1 Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **CAS: 7681-38-1 Sodium bisulphate** | |
| LC50 (96 h) | > 100 mg/l (Bacteria) |
| **CAS: 7758-19-2 Sodium chlorite** | |
| LC50 (96 h) | < 1 mg/l (Bacteria) |
| EC50 (72 h) | 21.5 mg/l (Algae) |
| **CAS: 15630-89-4 Disodium carbonate, compound with hydrogen peroxide (2:3)** | |
| LC50 (96 h) | 4.9 mg/l (Bacteria) |

· **12.2 Persistence and degradability** Inorganic substance: not applicable
· **12.3 Bioaccumulative potential** Product is not expected to bioaccumulate.

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· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· **Remark:** Very toxic for fish
· **Additional ecological information:**
· **General notes:**
Very toxic for aquatic organisms
Also poisonous for fish and plankton in water bodies.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Recommended Hierarchy of Controls:
- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Contact waste processors for recycling information.
Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
Do not mix with other waste streams.

· **Uncleaned packaging:**
· **Recommendation:**
Do not reuse empty containers - dispose of in accordance with the regulations issued by the appropriate local authorities.
Disposal must be made according to official regulations.
Do not mix with other waste streams.
Containers, even those that are “empty,” may contain residues that can develop flammable and/or hazardous vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

## SECTION 14: Transport information

· **14.1 UN number or ID number**
· **ADR, IMDG, IATA** UN3085

· **14.2 UN proper shipping name**

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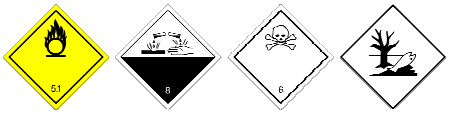
| | |
|---|---|
| · **ADR** | UN3085 OXIDIZING SOLID, CORROSIVE, N.O.S. (SODIUM CHLORITE, SODIUM CARBONATE PEROXYHYDRATE), ENVIRONMENTALLY HAZARDOUS |
| · **IMDG** | OXIDIZING SOLID, CORROSIVE, N.O.S. (SODIUM CHLORITE, SODIUM CARBONATE PEROXYHYDRATE), MARINE POLLUTANT |
| · **IATA** | OXIDIZING SOLID, CORROSIVE, N.O.S. (SODIUM CHLORITE, SODIUM CARBONATE PEROXYHYDRATE) |

· **14.3 Transport hazard class(es)**

· **ADR**



| | |
|---|---|
| · **Class** | 5.1 (OC2) Oxidising substances. |
| · **Label** | 5.1+8+6.1 |

· **IMDG**

| | |
|---|---|
| · **Class** | 5.1 Oxidising substances. |
| · **Label** | 5.1/8/6.1 |

· **IATA**

| | |
|---|---|
| · **Class** | 5.1 Oxidising substances. |
| · **Label** | 5.1 (8, 6.1) |

| | |
|---|---|
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | II |
| · **14.5 Environmental hazards:** | Product contains environmentally hazardous substances: Sodium chlorite |
| · **Marine pollutant:** | Symbol (fish and tree) |
| · **Special marking (ADR):** | Symbol (fish and tree) |
| · **14.6 Special precautions for user** | Warning: Oxidising substances. |
| · **Hazard identification number (Kemler code):** | 58 |
| · **Emergency Action Code:** | 1W |
| · **EMS Number:** | F-A,S-Q |
| · **Stowage Category** | B |

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| | |
|---|---|
| · **Handling Code** | H1 Keep as dry as reasonably practicable |
| · **Segregation Code** | SG38 Stow "separated from" SGG2-ammonium compounds.<br>SG49 Stow "separated from" SGG6-cyanides<br>SG60 Stow "separated from" SGG16-peroxides |
| · **14.7 Maritime transport in bulk according to IMO instruments** | Not applicable |
| · **Transport/Additional information:** | Amounts up to 5kg or 5L per single or inner package do not require the Environmentally Hazardous mark in accordance with ADR 5.2.1.8.1 and IMDG 2.10.2.7. |
| · **ADR** | |
| · **Limited quantities (LQ)** | 1 kg |
| · **Excepted quantities (EQ)** | Code: E2<br>Maximum net quantity per inner packaging: 30 g<br>Maximum net quantity per outer packaging: 500 g |
| · **Transport category** | 2 |
| · **Tunnel restriction code** | E |
| · **IMDG** | |
| · **Limited quantities (LQ)** | 1 kg |
| · **Excepted quantities (EQ)** | Code: E2<br>Maximum net quantity per inner packaging: 30 g<br>Maximum net quantity per outer packaging: 500 g |
| · **UN "Model Regulation":** | UN 3085 OXIDIZING SOLID, CORROSIVE, N.O.S. (SODIUM CHLORITE, SODIUM CARBONATE PEROXYHYDRATE), 5.1 (8+6.1), II, ENVIRONMENTALLY HAZARDOUS |

## SECTION 15: Regulatory information

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

| · **Regulated explosives precursors** |
|---|
| None of the ingredients are listed. |

| · **Regulated poisons** |
|---|
| None of the ingredients are listed. |

| · **Reportable explosives precursors** |
|---|
| None of the ingredients are listed. |

| · **Reportable poisons** |
|---|
| None of the ingredients are listed. |

· **Control Of Major Accident Hazards Regulations 2015 (COMAH)**
· **Named dangerous substances - ANNEX I** None of the ingredients are listed.
· **COMAH category**
P8
E1

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# Safety Data Sheet
## according to UK REACH (SI 2020/1577) as amended

Issue date: 02.12.2025 Version number: 1 Revision date: 02.12.2025

**Trade name: DiOx Ultra**

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· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients are listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients are listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients are listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients are listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients are listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**
H271 May cause fire or explosion; strong oxidiser.
H272 May intensify fire; oxidiser.
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.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.
EUH032 Contact with acids liberates very toxic gas.
EUH071 Corrosive to the respiratory tract.
· **Training hints**
This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

· **Department issuing SDS:** Product safety department.
· **Abbreviations and acronyms:**
UK REACH: REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
GB CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
UFI: Unique Formula Identifier

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UK- REACH: The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
GB- CLP: Retained GB CLP Regulation (EU) No. 1272/2008 as amended for Great Britain on the Classification, Labelling and Packaging of Chemicals.
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Ox. Sol. 1: Oxidizing solids – Category 1
Ox. Sol. 2: Oxidizing solids – Category 2
Ox. Sol. 3: Oxidizing solids – Category 3
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1