



**SAFETY DATA SHEET
ACCEPTA ACTIV-OX 2**

According to Regulation (EC) No 1907/2006, Annex II

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

1.1. Product identifier

Product name	ACCEPTA ACTIV-OX 2
Product number	AT-AX2
BPR Labelling	BPR Article 95 Entry: Chlorine dioxide generated from sodium chlorite by oxidation (Redefined from Chlorine dioxide).

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

Identified uses	Chlorine Dioxide precursor chemical
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1.3. Details of the supplier of the safety data sheet

Supplier	ACCEPTA LIMITED Accepta Ltd Unit 15 Tarran Road Tarran Industrial Estate Merseyside CH46 4TU United Kingdom +44 (0) 161 877 2334 +44 (0) 870 135 6389 info@accepta.com
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1.4. Emergency telephone number

National emergency telephone number Accepta UK office - 0161 877 2334 (09:00-17:00 Mon-Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Not Classified

2.2. Label elements

Pictogram



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.

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Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/ attention.

Supplemental label information

EUH029 Contact with water liberates toxic gas.
 RCH002b For professional users only.
 BPR001 Use biocides safely. Always read the label and product information before use.

2.3. Other hazards

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Composition/Information on Ingredients

3.2. Mixtures

SODIUM HYDROXIDE <1%		
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
Classification	Classification (67/548/EEC or 1999/45/EC)	
Met. Corr. 1 - H290	C;R35	
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information Get medical attention promptly if symptoms occur after washing.

Inhalation Upper respiratory irritation.

Ingestion Nausea, vomiting. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

Notes for the doctor Product forms chlorine dioxide solution on contact with acids.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media None

5.2. Special hazards arising from the substance or mixture

Specific hazards Packaging failure under fire conditions may lead to mixing of chemicals, with the possibility of chlorine dioxide release. No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Protective actions during firefighting Use water to keep fire exposed containers cool and disperse vapours.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Observe all national regulations. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool and well-ventilated place. Only store in correctly labelled containers. Keep containers upright.

Storage class Chemical storage.

7.3. Specific end use(s)

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

Usage description Use as directed by supplier

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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

SODIUM CHLORITE (CAS: 7758-19-2)

DNEL	Workers - Dermal; Long term, Short term systemic effects: 0.58 mg/kg/day
	Workers - Inhalation; Long term, Short term systemic effects: 0.41 mg/m ³
	Consumer - Dermal; Long term, Short term systemic effects: 0.29 mg/kg/day
	Consumer - Inhalation; Long term, Short term systemic effects: 0.1 mg/m ³
PNEC	Consumer - Oral; Short term, Long term systemic effects: 0.029 mg/kg/day
	Industry - Fresh water; Short term 0.00065 mg/l
	Industry - marine water; Short term 0.000065 mg/l
	Industry - Intermittent release; Short term 0.0065 mg/l
	Industry - STP; Short term 1 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	Mild. Disinfectant.
pH	pH (concentrated solution): 11 Approx.
Initial boiling point and range	100°C @
Relative density	1.00-1.05 @ °C
Solubility(ies)	Completely soluble in water.

9.2. Other information

Other information	Not available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Acids. Amines. Alkalis. Organic material Metals Reducing agents
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10.2. Chemical stability

Stability	Decomposes slowly over time, accelerated by exposure to heat and light.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Product is designed to generate chlorine dioxide solutions upon mixing with acidic products in controlled dosing equipment where there is little or no risk of exposure. Mixing with acids outside of controlled dosing situations approved by supplier is not recommended.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Strong reducing agents. Metals
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10.6. Hazardous decomposition products

Hazardous decomposition products	Toxic gases/vapours/fumes of: chlorine dioxide
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	78,400.0
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Inhalation	Irritating to respiratory system.
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Ingestion	May cause discomfort if swallowed.
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Skin contact	Irritating to skin.
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Eye contact	Irritating to eyes.
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SECTION 12: Ecological information

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Ecotoxicity Not classified as environmentally hazardous for supply. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Toxicity May be toxic to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability Not persistent The product contains inorganic compounds that will eventually degrade to inert salts in the natural environment.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects High concentrations may be damaging to environment due to pH effect. The product contains substances that may be harmful to aquatic life in high concentrations.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of in compliance with local and national regulations.

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

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

UN No. (ADR/RID) Not classified for transport

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

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Not applicable.

14.7. 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.

SECTION 15: Regulatory information

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

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). 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).
Guidance	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Only trained personnel should use this material. Further details may be available from the supplier.
Key literature references and sources for data	REACH registered substances database Other safety data sheets relevant to individual chemical constituents within this product.
Revision date	01/06/2015
Revision	1
Supersedes date	01/01/2015
SDS number	20955
SDS status	Approved.
Risk phrases in full	Not classified. R31 Contact with acids liberates toxic gas. R34 Causes burns. R35 Causes severe burns. R50 Very toxic to aquatic organisms.
Hazard statements in full	H271 May cause fire or explosion; strong oxidiser. H290 May be corrosive to metals. H301 Toxic 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. H400 Very toxic to aquatic life.

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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.