

**SAFETY DATA SHEET****ACTIV-OX® SPA CLEANER A**

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 ACTIV-OX® SPA CLEANER A
Product number AX-SPA-A

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

Identified uses Chlorine Dioxide precursor chemical

1.3. Details of the supplier of the safety data sheet

Supplier Feedwater Limited
Tarran Way
Tarran Estate
Moreton
Wirral
CH46 4TU
Tel: 0151 606 0808
msds@feedwater.co.uk

1.4. Emergency telephone number

National emergency telephone number National Chemical Emergency Centre - 01865 407333 (UK Only)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification****Physical hazards**

Not Classified

Health hazards

Eye Irrit. 2 - H319

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

2.2. Label elements**Pictogram**

Signal word Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

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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**3.2. Mixtures**

NON-CLASSIFIED MATERIALS	60-100%
CAS number: — EC number: —	
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC)
SODIUM CHLORITE	<1%
CAS number: 7758-19-2 EC number: 231-836-6 REACH registration number: 01-2119529240-51-XXXX	
M factor (Acute) = 1	
Classification Ox. Liq. 1 - H271 Acute Tox. 3 - H301 Acute Tox. 2 - H310 Skin Corr. 1B - H314 STOT RE 2 - H373 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41. R32.
SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE	<1%
CAS number: 7681-52-9 EC number: 231-668-3 REACH registration number: 01-2119488154-34-XXXX	
M factor (Acute) = 10	
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) C;R34 R31 N;R50

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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	
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. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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.

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

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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

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

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WEL = Workplace Exposure Limits

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 hands 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

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.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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Stability

Decomposes slowly over time, accelerated by exposure to heat and light.

10.3. Possibility of hazardous reactions

Product forms chlorine dioxide solution on contact with acids.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid

Strong reducing agents. Metals

10.6. Hazardous decomposition products

Toxic gases/vapours/fumes of: chlorine dioxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

78,400.0

Inhalation

Irritating to respiratory system.

Ingestion

May cause discomfort if swallowed.

Skin contact

Irritating to skin.

Eye contact

Irritating to eyes.

SECTION 12: Ecological Information

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

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

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

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. 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.

ACTIV-OX® SPA CLEANER A**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. May be flushed to sewer with plenty of dilution if local regulations / discharge consents allow. If in doubt, contact the sewer operator.

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

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

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

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product.

Revision date 01/06/2015

Revision 3

Supersedes date 01/05/2013

SDS status Approved.

Risk phrases in full

NC 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.

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