

# Material Safety Data Sheet

## Company Details

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## 1.PRODUCT AND COMPANY IDENTIFICATION

Trade / Commercial Name <sup>BIOX</sup>

**Chemical Family** Hydrogen Peroxide

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical Name Range Hazard

Hydrogen peroxide > 30% Oxidising and Corrosive CAS Number: 7722-84-1

## 3.HAZARDS IDENTIFICATION

Corrosive

## 4.FIRST-AID MEASURES

**Eyes:** WASH IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER THEN OBTAIN MEDICAL ATTENTION WITHOUT DELAY.

**Skin:** Wash thoroughly with water. Remove contaminated clothing. Obtain medical attention.

**Inhalation:** REMOVE FROM SOURCE OF EXPOSURE AND OBTAIN MEDICAL ATTENTION WITHOUT DELAY.

**Ingestion:** REMOVE MATERIAL FROM MOUTH. DRINK 1 OR 2 GLASSES OF WATER OR MILK. OBTAIN MEDICAL ATTENTION WITHOUT DELAY.

**Equipment at Work Place:** Eye and skin washing facilities. Drench shower if handling large amounts.

## 5. FIRE-FIGHTING MEASURES

**Flammability:** Not flammable.

**Extinguishing media:** Any can be used.

**Explosive Hazards:** Can react explosively with reducing agents, powdered metals, combustibles and other material.

**Special Protective** Breathing apparatus should be worn when tackling fires

**Equipment:** involving this product.

**Hazardous Combustion** Toxic and irritant fumes may be given off when heated

**Products:** to decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

**Protection of Personnel:** Wear chemically resistant protective clothing.

**Spillage Clean-Up:** Observe local legislation. Absorb large spillages with inert material (e.g. sand) and collect into suitable, labeled containers for disposal at an approved site. Wash residues and small spillages away to drain with water.

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye and skin contact, ingestion and inhalation. Prevent any mist formation.

**Storage:** Store in the original, closed containers under dry conditions. Avoid extremes of temperature.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Face shield and protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, water-white liquid.

**Relative Density:** 1.14

## 10. STABILITY AND REACTIVITY

May react vigorously with reducing agents.

## 11. TOXICOLOGICAL INFORMATION

**Eyes:** Causes severe or permanent damage.

**Skin:** Causes burns.

**Inhalation:** Severe irritant, may cause pulmonary oedema.

**Ingestion:** Causes burns.

## 12. ECOLOGICAL INFORMATION

Toxic to fish. Dilute well before discharging to sewers.

## 13. DISPOSAL CONSIDERATIONS

Do not discharge to natural water systems. Transfer to containers for authorised disposal. Observe

relevant legislation.

<b>14. TRANSPORT INFORMATION:</b>
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**UN Class:** 5.1 **Group:** 2 **UN No:** 2015

<b>15. REGULATORY INFORMATION</b>
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**Hazard Symbol:** C; Corrosive

**Risk Phrases:** R34 Causes burns.

**Safety Phrases:** S3 Keep in a cool place. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin wash immediately with plenty of water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible).

<b>16. OTHER INFORMATION</b>
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Handle and apply only as recommended.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.