

# BIOLOGICAL BIOX

*CLEANING SOLUTIONS  
COMBINING:  
BIOX '02' IMMERSION FLUID  
BIOX BIODEG  
ULTRASONIC EQUIPMENT*



# BIOX BIODEG & Safety Health Pack

HEAD OFFICE:

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## BIOX - BIO DEG SAFETY DATA SHEET

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Revision No: 4

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

1.1. Product identifier:

Product name: BIOX BIO DEG

1.2. Relevant identified uses of the substance or mixture and uses advised against Use of substance / mixture: Aqueous based cleaning concentrate for dilution in warm water as cleaner for diving breathing apparatus

1.3. Details of the supplier of the safety data sheet

Company name: Biox Ltd

Address:

The Granary

Yeo Lane

North Tawton

Devon

EX20 2DD

Tel: 01837 880135

Fax: 01837 880063

Email: Bioxint@hotmail.com

### 1.4. Emergency telephone number

Emergency tel: 01837 880135

(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements:

Hazard statements: H319: Causes serious eye irritation

Hazard pictograms: GHS07: Exclamation mark

Signal words: Warning



Precautionary statements: P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical attention.

2.3. Other hazards PBT: This product is not identified as a PBT/vPvB substance.



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### Section 3: Composition/information on ingredients

#### 3.2. Mixtures

Hazardous ingredients:

3-BUTOXYPROPAN-2-OL - REACH registered number(s): 01-2119475527-28  
EINECS CAS PBT / WEL CLP Classification Percent 225-878-4 5131-66-8 - Eye Irrit. 2: H319; Skin Irrit. 2: H315  
1-10%  
ALCOHOLS C9-11, ETHOXYLATE - 68439-46-3 - Acute Tox. 4: H302; Eye Dam. 1: H318 1-10%

### Section 4: First aid measures

#### 4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water.

Inhalation: Not applicable.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

#### 5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

#### 5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.



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### **Section 6: Accidental release measures**

#### 6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

#### 6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

#### 6.4. Reference to other sections

Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

#### 7.3. Specific end use(s)

### **Section 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

#### 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

### **Section 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Straw

Odour: Barely perceptible odour

Solubility in water: Soluble

Viscosity: Non-viscous

Relative density: 1.02 pH: 11.0

#### 9.2. Other information

Other information: No data available.

[cont...]



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### Section 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Symptoms / routes of exposure...

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

### [Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

3-BUTOXYPROPAN-2-OL

SKN RBT LD50 3100 mg/kg

Relevant hazards for product:

Hazard Route Basis

Serious eye damage/irritation OPT Hazardous: calculated

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

### Section 12: Ecological information

12.1. Toxicity : Ecotoxicity values: No data available.

12.2. Persistence and degradability : Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential : Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil : Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment : PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects..Other adverse effects: Negligible ecotoxicity.

cont...]



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### **Section 13: Disposal considerations**

#### 13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### **Section 14: Transport information**

Transport class: This product does not require a classification for transport.

### **Section 15: Regulatory information**

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

Specific regulations: Not applicable.

#### 15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

### **Section 16: Other information**

#### **Other information...**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. \* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.