



## MATERIAL SAFETY DATA SHEET

in accordance with Regulation (EC) No. 1907/2006 of the European Parliament and the Council (REACH) and Commission Regulation (EU) No. 830/2015

Date of issue: 13.11.2017  
Supersedes date: ---

Version: 1.0

# BioOXYGENATOR

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product identifier:  
Trade name: BioOxygenator  
Original name: Oxy-Gen-Ator
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:  
BioOXYGENATOR gives the soil active microflora – natural bacterias that help nutrients to get to rootage, regulat and hold humidity, lighten and aerate the soil, inhibit mould, sponges and moss production. It prolongs plant vegetation time.
- 1.3 Details of the supplier of the safety data sheet  
SUBIO EKO s.r.o.  
Obdoje 3327/1a  
702 00 Ostrava – Mor. Ostrava  
Czech Republic  
Tel.: +420 596 634 677  
E-mail: subio@subio.cz
- 1.4 Emergency telephone number  
Toxicology information centre, Na Bojišti 1, 128 21 Prague, Czech Republic, Tel: +420 224 919 293 or +420 224 915 402 (non-stop service).

## SECTION 2 HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture  
Classification according to Regulation 1272/2008/EC:  
The mixture is not classified as dangerous.
- 2.2 Label elements  
Hazard symbol: Not assigned.  
Signal word: Not assigned.  
Standard statements:  
Not assigned.  
Precautionary statements:  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water/soap.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- 2.3 Other hazards  
No information available.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

- 3.2 Mixtures  
The mixture does not contain any substance classified as hazardous in the concentration required for this section or a substance with an established exposure limit for the working environment in the Community.



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## SECTION 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

General information: In case of any health problems or if in any doubt, inform your doctor and provide him / her data from this Safety Data Sheet. In case of irregular breathing or breath stop, perform artificial respiration. In case of unconsciousness, place the affected person in a stabilized position on the side with a slightly bowed head and call the doctor. Do not give anything by mouth to unconscious person.

If inhaled: Ensure sufficient fresh air supply. In case of persistent problems, consult a physician.

Skin contact: Immediately remove contaminated clothing. Immediately wash the affected skin with warm water and soap, rinse thoroughly. In case of persistent problems, consult a physician.

Eye contact: Rinse under running water for a few minutes, hold eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

If ingested: Rinse mouth with water. Do not give anything by mouth. Do not induce vomiting. If the affected person vomits, avoid inhalation of vomits. Immediately seek medical advice and show the packaging or label of the product.

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

In case of prolonged skin contact local irritation may occur. Possible eye irritation.

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

No information available.

## SECTION 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Use any means of extinction appropriate for surrounding fire condition. Foam, carbon dioxide, dry extinguishing powder, scattered water stream are suitable.

Unsuitable extinguishing media: Not known.

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

The mixture is not flammable. In case of fire hazardous gases, carbon oxides, nitrogen oxides and other organic compounds can be released.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus and protective clothing. Cool unopened containers in fire with a dispersed stream of water or, if possible, remove them from fire. Fire residues and used extinguishing media should not be disposed of via wastewater, sewage systems or water courses.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Wear personal protective equipment. In case of a major leak, clearly mark the site of the accident and isolate it. Avoid entry of unprotected persons. Avoid contact with eyes and skin. Do not breathe vapours/ aerosols. Ensure effective ventilation of the contaminated area immediately.

### 6.2 Environmental precautions

Dilute with plenty of water. Do not allow undiluted product to enter waterways or groundwater.

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

In case of accidental spillage, wash with plenty of water.



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## 6.4 Reference to other sections

See section 7 for handling, section 8 for personal protective equipment, section 13 for disposal.

## SECTION 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Follow the instructions in the product data sheet and the instructions for use. Handle in accordance with good industrial, hygienic and safety procedures. Do not eat, drink or smoke while working. Avoid direct contact with eyes and skin. Use appropriate personal protective equipment (see section 8). When handling the product avoid formation of dust. Ensure adequate ventilation. Avoid inhalation of dust. Always wash your hands after work and before the break.

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

Store in a dry place at temperatures up to 38°C. Store in the original packaging in a well-ventilated place. Protect from heat and direct sunlight. Do not store together with food, beverages and feed. Do not smoke in the warehouse.

### 7.3 Specific end use(s)

See section 1.2.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

The mixture does not contain substances with specified concentration limits for the working environment.

Dust with predominantly nonspecific effect: Permissible exposure limit for total concentration PELc = 10 mg.m-3.

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Observe general hygiene and safety precautions and use personal protective equipment. Ensure adequate ventilation in the workplace. Immediately dispose of contaminated clothing. Do not eat, drink or smoke while working. Before break and after work wash your hands thoroughly and treat your skin with a suitable repair product.

#### 8.2.2 Individual protection measures, such as personal protective equipment

a) Eye/face protection: If there is a risk of eye contact, use tightly fitting goggles.

b) Skin protection: i) Hand protection: Use impermeable protective gloves.

ii) Other: Chemical resistant protective working clothing and footwear.

Before work (but not during work) treat your skin with suitable protective product.

c) Respiratory protection: In case of inadequate ventilation use an approved respirator.

d) Thermal hazards: No information available.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance (at 20°C): light brown powder

Odour: neutral

Odour threshold: not determined

pH: not determined

Melting point/freezing point (°C): not determined



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|                                               |                                             |
|-----------------------------------------------|---------------------------------------------|
| Initial boiling point and boiling range (°C): | not determined                              |
| Flash point (°C):                             | not determined                              |
| Evaporation rate:                             | not determined                              |
| Flammability:                                 | not determined                              |
| Upper/lower flammability or explosive limits: |                                             |
| Vapour pressure:                              | not determined                              |
| Vapour density:                               | not determined                              |
| Relative density:                             | not determined                              |
| Solubility(ies):                              | not determined                              |
| Partition coefficient n-octanol/water:        | the active ingredients are soluble in water |
| Auto-ignition temperature (°C):               | not determined                              |
| Decomposition temperature:                    | not determined                              |
| Viscosity:                                    | not determined                              |
| Explosive properties:                         | not determined                              |
| Oxidizing properties:                         | the product is non-explosive                |
|                                               | not determined                              |

- 9.2 Other information  
No information available.

#### SECTION 10 STABILITY AND REACTIVITY

- 10.1 Reactivity  
No information available.
- 10.2 Chemical stability  
The mixture is stable under normal conditions of use and the prescribed storage method.
- 10.3 Possibility of hazardous reactions  
No dangerous reactions are known.
- 10.4 Conditions to avoid  
No information available.
- 10.5 Incompatible materials  
No information available.
- 10.6 Hazardous decomposition products  
See section 5.

#### SECTION 11 TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
- Acute toxicity: The classification criteria are not met.
- Skin corrosion/ irritation: The classification criteria are not met. In case of prolonged skin contact local irritation may occur.
- Serious eye damage/ eye irritation: The classification criteria are not met. Possible eye irritation.
- Respiratory/ skin sensitization: The classification criteria are not met.
- Carcinogenicity: The classification criteria are not met.
- Germ cell mutagenicity: The classification criteria are not met.
- Reproductive toxicity: The classification criteria are not met.
- Specific target organ toxicity: The classification criteria are not met.
- Aspiration hazard: The classification criteria are not met.



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## SECTION 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

The classification criteria are not met.

### 12.2 Persistence and biodegradability

No data available.

### 12.3 Bioaccumulative potencial

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This product does not contain any substance considered as PBT or vPvB according to REACH criteria.

### 12.6 Other adverse effects

No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Disposal of unused mixture should be in accordance with local and national regulations. Empty containers should be disposed of as waste. Disposal is carried out by a company that has the authority to handle waste.

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

Waste codes:

19 05 99 wastes not otherwise specified

15 01 06 mixed packaging

## SECTION 14 TRANSPORT INFORMATION

### 14.1 UN number

Not regulated.

### 14.2 UN proper shipping name

Not regulated.

### 14.3 Transport hazard class(es)

Not regulated.

### 14.4 Packing group

Not regulated.

### 14.5 Environmental hazards

No data available.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.



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## SECTION 15 REGULATORY INFORMATION

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

Regulation of the European Parliament and the Council (EC) No. 1907/2006 (REACH).

Regulation of the European Parliament and the Council (EC) No. 1272/2008 (CLP).

Commission Regulation (EU) No. 830/2015,

### 15.2 Chemical safety assessment

Chemical safety assessment has not been carried out.

## SECTION 16 OTHER INFORMATION

Date of issue: 13.11.2017

Revision notes: none

### Note:

The safety data sheet contains data necessary for ensuring occupational health and safety and protection of the environment. The given data correspond to the current state of knowledge and experience and comply with valid legal regulations. The data cannot be considered a guarantee that the specific use of the product will be appropriate.