

SAFETY DATA SHEET**in accordance with Regulation (EU)
2015/830 of 05.28.2015****BORO REMEDIATION
CONCENTRATE**

Release Date: 01.09.2013

Revision Date: 28.09.2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**1.1. Identification of Product: BORO REMEDIATION CONCENTRATE**

1.2. Identified uses of the substance or mixture, which are important, and uses are not recommended: It is used for handling clean or contaminated with microorganisms substrates to give high resistance to bacteria and mold on old latex coatings, putties, concrete and others, before applying latex paints. Group 2 preservatives, type 10 preservative for construction materials (excluding wood). Category of users: general use and professional. Liquid biocide preparation.

1.3. Details of the supplier of the safety data sheet**"BORO TERAOL" Ltd.****1261 Mramor****str. "Boro" №10 tel. +359 2 892 39 47****fax: +359 2 892 39 47****Email: boro_techn@boro-bg.com****1.4. Contact phone number in case of emergency****+359 2 998 23 75, and 112 and****National Toxicology Information Center****Multi-profile Hospital for Active Treatment and Emergency Medicine "N.I Pirogov";****Emergency phone / fax: +359 2 9154 409****E-mail: poison_centre@mail.orbitel.bg****2. HAZARDS****2.1. Classification of the substance or mixture**

Substance / mixture – mixture

The product is not classified as dangerous according to Directive 1999/45 / EC and Directive 67/548 / EC and its amendments.

The product is not classified as dangerous under EC Regulation №1272 / 2008 on classification, packaging, labeling of dangerous chemical substances and mixtures.

It is not harmful to health when performing painting and in the conditions of operation.

2.2. Label elements

This product does not need to be labeled in accordance with EC Directives and national legislation. Not dangerous mixture according to Directive 67/548 / EC and its amendments and Regulation EC № 1272/2008

SAFETY RECOMMENDATIONS IN COMPLIANCE WITH DIRECTIVE 67/548 / EC

S 2 - Keep out of reach of children.

S 24/25 - Avoid contact with eyes and skin.

S 46 - If swallowed, seek medical advice immediately and show packaging or label.

SAFETY RECOMMENDATIONS IN ACCORDANCE WITH REGULATION EC №1272/2008

P102 - Keep out of reach of children.

P262 - Avoid contact with eyes, skin or clothing.

P301 + P310 - If swallowed, immediately call a POISON CENTER or physician.

P273 - Avoid release to the environment.

3. INFORMATION ON INGREDIENTS

This product does not contain substances hazardous to health and the environment under Directive 67/548 / EC and Regulation EC №1272 / 2008 on classification, packaging, labeling of dangerous chemical substances and mixtures.

4. FIRST AID MEASURES

4.1. Description of first aid measures

4.1.1. Inhalation: Access to fresh air. In case of complaints seek medical advice.

4.1.2. Skin contact: Wash affected skin with soap and water. Prolonged irritation seek medical advice

4.1.3. Eye contact: Immediately rinse eyes with running water for 15 minutes under the eyelids. To remove contact lenses. In irritation seek an ophthalmologist.

4.1.4. Ingestion: Rinse mouth thoroughly with water, then drink plenty of water. Do not give liquids and do not induce vomiting if the patient is unconscious or with convulsions. In case of complaints seek medical advice.

The workplace should have the following precautions:

- Bathrooms eye
- Protective face masks

4.2. Most important acute and delayed symptoms and effects: No information available.

4.3. Indication of any immediate medical attention and special treatment: No information available.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media:

- Suitable extinguishing - dry chemical powder, carbon dioxide, water spray. Larger fires extinguish with water spray or alkali resistant foam.

- Extinguishing media - not known unsuitable extinguishing.

5.2. Features arising from the substance or mixture - thermal decomposition may release acrylic monomers.

5.3. Advice for firefighters: Wear insulating mask and protective fire fighting clothing. The product is not fire. After water evaporation, the dry residue can fuel the fire.

Fire in the neighborhood, cool packages with a stream of cold water does not raise the pressure and ignite the plastic packages.

Dispose of contaminated extinguishing water in accordance with statutory requirements. Do not empty into drains.

6. MEASURES FOR EMERGENCY RELEASE

6.1. Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment (see section 8). Avoid contact with skin and eyes. Do not eat, drink or smoke while cleaning up.

6.2. Measures for environmental protection: Do not allow product in water, sewerage, surface and groundwater and soil.

In the event of an accident and / or spillage, take measures for its localization and limitation. The collected amount of product to be stored temporarily in special tightly closed and labeled containers and then inform the competent persons / authorities.

6.3. Methods and materials for containment and cleaning up:

- **Prevent entry:** unnecessary or unprotected personnel.
- **Small spillages:** Collect with inert absorbents (sand, soil, or other similar absorbents), scoop and throw in a special container. Clean contaminated area with water.
- **Large amounts:** Pump off spilled product and can be cleaned as indicated above
- **Residues:** To wash with water
- **Contaminated water:** To collect for proper disposal respectively. Do not discharge into drains without prior flocculation and filtration.

6.4. Reference to other sections: Refer also refer to section 8 and 13 of the MSDS.

7. HANDLING AND STORAGE

7.1. Precautions for safe product handling

Technical precautions:

Ventilation is sufficient.

Measures to prevent aerosol and dust

Observe the usual precautions for handling chemical substance / mixture. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling the product.

Other precautions: do not take food and drinks in the workplace. Product may obtain bacteria smell after long-term storage.

7.2. Conditions for safe storage, including any incompatibilities: To be protected from frost! Store in covered and dry warehouses at 5-40°C in tightly sealed original containers.

Do not store together with food, drinks or fodder.

7.3. Specific and end use: The product has no other specific uses, unless regulated in the Safety Data Sheet and the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters - The product is not classified as dangerous according to Directive 1999/45 / EC and its amendments and Regulation EC № 1272/2008 on classification, packaging, labeling of dangerous chemical substances and mixtures and no specific exposure limits .

8.2. Exposure controls

8.2.1. Appropriate engineering controls: storage and use of this product should be equipped with devices for washing / eye rinsing.

8.2.2. Personal protective equipment

8.2.2.1. Respiratory protection: No special protection needed. If blurred, wear half mask-respirator for air purification.

8.2.2.2. Hand protection: For prolonged or repeated contact use chemical resistant, impervious gloves. Recommended gloves made of neoprene.

8.2.2.3. Eye protection: safety glasses with side protection.

8.2.2.4. Skin Protection: For brief contact is not necessary, except for clean clothes, covering skin.

8.2.2.5. Hygiene measures: Observe the usual precautions for handling chemicals. Avoid contact with skin, eyes and clothing. Wash hands before breaks and after work. Consult a doctor if feeling unwell.

8.2.3. Control of environmental exposure: Do not release to the environment. Avoid falling into water, sewerage, surface and groundwater and soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance:	Viscous liquid
Odor:	Specific
pH value:	8,5-9,0
Melting point / freezing point:	0°C
Boiling point / boiling range:	100°C
Flash point:	not flammable
Evaporation rate:	Not available
Flammability / solid, gas /	Not applicable
Lower / Upper flammable and explosion:	Not applicable
Vapor pressure at 20 ° C:	22,66hPa at 20°C Water
Vapor density:	<1,0 Water
Density at 20 ° C:	1,0-1,05 kg/l
Water solubility:	Diluted
Partitioning coefficient n-octanol / water	No information
Ignition temperature:	No information
Decomposition temperature:	No information
Viscosity at 20 ° C:	2700 cP
Oxidizing properties:	No information

9.2. Other information: no information for solubility in other solvents

10. STABILITY AND REACTIVITY

10.1. Reactivity: No information.

10.2. Chemical stability: No information.

10.3. Possibility of hazardous reactions: not known.

10.4. Conditions to avoid: May coagulate, if freezes (0°C). Avoid temperatures above 170°C as starting thermal decomposition of the product.

10.5. Incompatible materials: not known materials which are incompatible with this product and leading to the formation of unsafe products.

10.6. Hazardous decomposition products: In thermal decomposition may release acrylic monomers.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

- **Acute oral toxicity:** Emulsion acrylate copolymer. LD50 rat > 5000mg / kg.
- **Acute dermal toxicity:** LD50 rabbit > 5000 mg / kg.
- **Acute inhalation toxicity:** no information.
- **Inhalation:** unlikely to be dangerous if inhaled.
- **Ingestion:** unlikely to be dangerous if swallowed.
- **Skin contact:** Prolonged and intensive contact with skin can cause irritation. In sticking the product to the skin may cause irritation upon drying.
- **Eye contact:** may cause slight temporary eye irritation.
- **Sensitization:** No information.
- **Carcinogenicity:** No information.
- **Mutagenicity:** No information.
- **Reproductive toxicity:** No information.

12. ECOLOGICAL INFORMATION

12.1. toxicity

- **Acute toxicity to fish:** no data.
- **Acute toxicity to aquatic invertebrates:** no data.
- **Acute toxicity to algae:** no data.
- **Toxicity to bacteria:** no data.
- **Chronic aquatic toxicity**
- **Chronic toxicity to fish:** no information.
- **Chronic toxicity to aquatic invertebrates:** no data
- **Toxicity to organisms living in soil:** no data.
- **Toxicity to terrestrial plants:** no data.
- **Toxicity to other terrestrial species that are not mammals:** no data.

12.2. Resistance to degradation

- **Biodegradability** - No information.
- **Physico-chemical shift** - no information.

12.3. Bioaccumulative

- **Bioaccumulation** - no information.

12.4. Mobility in soil

- **Partition coefficient n-octanol / water** - no information.
- **Distribution of components in the environment** - no information.
- **Lifetime and behavior in the environment** - no information.

12.5. Results of the evaluation of PBT and vPvB - no information.

12.6. Other adverse effects: Do not allow undiluted product or large quantities of it to enter the environment, water sources and / or drainage water, without pretreatment. According to the current level of knowledge should not expect negative environmental impacts.

Dangerous to the ozone layer - no information.

13. WASTE DISPOSAL

Any residual product , waste from its application , packages in which it was stored, must be disposed of according to local regulations for processing of special and hazardous waste.

13.1. Method of waste treatment - Any product residues and waste from its application packages in which it was stored, to be collected in special tightly closed and designated containers for temporary storage and then be transmitted to persons holding a permit under Article 37 of the Law on waste management.

Take care of spills and cleaning water do not reach the urban drainage and open reservoirs.

13.2. More information.- no information available.

14. TRANSPORT INFORMATION

The preparation is not subject to the Regulations:

ADR - road transport

RID – Rail

ADNR - river transport

IMDG - maritime transport

IATA / ICAO - Air Transport

Not classified as hazardous material for transportation.

Do not transport with food for humans and animals.

15. REGULATORY INFORMATION

- The product does not contain information ozone layer under Regulation / EC / 2073/2007.

- The product does not contain substances, persistent organic pollutant under Regulation / EC / 850/2004.

- Evaluation of the safety of the substance or mixture - no estimates available.

16. OTHER INFORMATION

The present information and recommendations were prepared in accordance with:

- Regulation (EC) № 1907/2006 of the European Parliament and the Council of 18.12.2006g. concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and the relevant international rules for transport.

- Regulation 1272/2008 EU on classification, packaging and labeling of dangerous chemical substances and mixtures.

- Regulation (EU) amending Regulation 2015/830 / EC / № 1907/2006 of the European Parliament and the Council of 18.12.2006g. concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation 67/548 EC on classification, packaging and labeling of dangerous chemical substances and mixtures.

- Law on protection against harmful effects of chemicals / state gazette No. 95, 24.11.2006g. /

Ordinance on the manner of classification, packaging and labeling of chemical substances and mixtures.

- Regulation №13 to protect workers from the risks related to exposure to chemical agents at work.

- Regulation №14 of Standards to limit concentrations of pollutants in ambient air of the settlements.
- European Agreement concerning the International Carriage of Dangerous Goods ADR.
- Regulations concerning the International Carriage of Dangerous Goods RID.

The information in this SDS is meant to give guidance to professional users to take the necessary measures to protect human health and the environment, and to ensure health and safety in the workplace. It should not be construed as a warranty for technical characteristics or proper specific application.

Data compared to the previous version: it is made and classified in accordance with Regulation 1272 / 2008 EU, in accordance with Regulation (EU) 2015/830 on the classification, packaging and labeling of dangerous chemical substances and mixtures.