

GYPSUM ADHESIVE

SAFETY DATA SHEET

in accordance with Regulation (EU) 2015/830 of 05.28.2015

Release Date: 01.09.2013

Revision Date: 28.09.2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**1.1. Identification of Product: GYPSUM ADHESIVE**

1.2. Identified uses of the substance or mixture, which are important, and uses are not recommended: For masonry of gypsum panels, gypsum building block, ornaments and profile, putting of wall and ceiling in dry rooms and ect.

1.3. Details of the supplier of the safety data sheet**"BORO TERACOL" 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

Product classification according to EC Directive 67/548- Not classified. The product not dangerous mixture.

Classification of the product according to Regulation EON^o1272 / 2008- Not classified. The product not dangerous mixture.**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 ACCORDING TO DIRECTIVE 67/548/EC**S2** - Keep out of reach of children**S24 / 25** - Avoid contact with eyes and skin**S46** - If swallowed, seek medical advice immediately and show packaging or label.

SAFETY RECOMMENDATIONS ACCORDING TO REGULATION/EC 1272/2008

P102 - Keep out of reach of children

P262 - Avoid contact with eyes, skin or clothing.

3. INFORMATION ON INGREDIENTS

3.1. Substances - Not applicable-product is a mixture

3.2. Mixtures - Chemical characteristics: Dry construction mixture of mineral binders and mineral fillers and specific additives.

3.2.1. Hazardous ingredients classification:

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.

Components	CAS №	EINECS №	Concentration	Hazard symbols, R phrases
Gypsum	10101-41-4	231-900-3	60% - 75% by weight	-

4. FIRST AID MEASURES

4.1. Description of first aid measures

4.1.1. Inhalation: Remove the injured to fresh air, with additional complaints, seek medical attention.

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

4.1.3. Eye contact: Do not rub eyes, from mechanical pressure is possible to obtain corneal injury. Intensive wash thoroughly with plenty of water, seek medical advice.

4.1.4. If swallowed: Do not induce vomiting. Rinse mouth with plenty of water and immediately give on the injured to drink plenty of water. Seek medical advice and show the packaging or the label.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing equipment: The product is nonflammable. The packages are flammable, when ignited can be used carbon dioxide, dry chemical powder.

5.2. Features arising from the substance or mixture - The product is nonflammable and incombustible and does not facilitate nor support combustion of other materials.

5.3. Advice for firefighters: The product does not cause risk of fires. There is no need for special protective equipment, special precautions and protective actions for the fire-fighters.

6. MEASURES FOR EMERGENCY RELEASE

6.1. Personal precautions, protective equipment and emergency procedures: Observe regulations for safety at work (see section 7 and section 8). Wear a dust mask and protective gloves to avoid eye contact.

6.2. Measures for environmental protection: No specific measures are needed

6.3. Cleaners: Mechanical dry cleaning to gather and discarded in designated containers and places.

6.4. Additional information: The product hardens in contact with water.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling the product: When working with the product, use dust masks and glasses. To use protective clothing, which serve as protection from falling of the product on the skin. Do not eat or drink during the work. To be transported in sealed containers.

7.2. Conditions for safe storage, including any incompatibilities: Store in covered and dry warehouses on wooden pallets. The bags are tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters - Legal basis: Ordinance № 13 (30.12.2003g) to protect workers from the risks related to exposure to chemical agents at work (SG, number.8 / 2004, amend SG, number.71 / 2006.)

8.2. Exposure controls

Limits of professional exposure	DNEL, by inhalation (8 h)	6 mg/m ³
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8.2.1. Appropriate engineering control

Exposure duration is unlimited. Not require general or local aspiration system.

8.2.2. Personal protective equipment

8.2.2.1. Respiratory protection: For more dusting recommended a dust mask type P1.

8.2.2.2. Hand protection: Cotton gloves coated with nitrile rubber.

8.2.2.3. Eye protection: Safety glasses to avoid eye contact.

8.2.2.4. Skin protection: Wear protective clothing.

8.2.2.5. Hygiene measures: Before breaks and after work wash the hands. During work do not eat or drink, do not smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	powder
Odor:	odorless
pH value:	7,0 neutral
Melting point / freezing point:	>1250°C
Boiling point / boiling range:	>1250°C under normal atmospheric conditions
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:	Not applicable
Vapor density:	Not applicable
Density at 20 ° C:	1,45-1,5 kg/l
Water solubility:	Not soluble
Partitioning coefficient n-octanol / water	Not applicable
Ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity at 20 ° C:	Not applicable
Oxidizing properties:	Not applicable

9.2. Other information-not available

10. STABILITY AND REACTIVITY

10.1. Reactivity - When mixed with water, the product hardens into a stable mass that does not react in a normal conditions.

10.2. Chemical stability - The dried product is stable when stored correct. To avoid contact with incompatible materials.

10.3. Possibility of hazardous reactions - not established

10.4. Conditions to avoid: Exposure to humidity. May cause lump formation and loss of product quality

10.5. Incompatible materials: Strong acids, bases and oxidizers

10.6. Hazardous decomposition products: not known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

- **Acute oral toxicity:** LD50>1581mg/kg(rats)(OECD 420)
- **Acute dermal toxicity:** There is no indication increased skin sensitivity
- **Acute inhalation toxicity:** LC50(4 h)>3,26mg/l (rats)(OECD 403)
- **Inhalation:** No evidence for increased susceptibility to respiratory system.
- **Ingestion:** There is no acute toxicity
- **Skin contact:** Does not increase the sensitivity of the skin.
- **Eye contact:** There is no induction of inflammation of the eye.
- **Sensitization:** No information.
- **Carcinogenicity:** No information.
- **Mutagenicity:** No information.
- **Reproductive toxicity:** No information.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

- **Acute toxicity to fish:** No evidence of very toxic to aquatic organisms.

- **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. Stability and degradability

- **Biodegradability** - Not applicable. The product is an inorganic material
- **Physico-chemical displacement** - no information.

12.3. Bioaccumulative potential

- **Bioaccumulation** - not applicable.

12.4. Transferability in the soil

Not applicable, since the product is an inorganic material. After the curing, the product does not pose a risk of toxicity.

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

12.6. Other adverse effects: Not applicable

13. DISPOSAL CONSIDERATION

13.1. Methods for waste treatment

Classification of waste of the product and packagings in accordance with Regulation No2 (23.07.2014) for the classification of the waste (SG. 66 of 08.08.2014)

In keeping with local laws and regulations in the cured state in a smaller amounts, the mixture can be disposed of with household waste, otherwise to be treated as a mixed construction waste.

Code	Name of waste
17 09 04	Construction waste not contaminated by hazardous substances

Empty containers after adequate cleaning may be submitted for recycling.

14. TRANSPORT INFORMATION

The mixture 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 violation ozone layer under Regulation / EC / 2073/2007.
- The product does not contain substances, persistent organic pollutant under Regulation / EC / 850/2004.

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) 2015/830 / for amending Regulation EC / № 1907/2006 of the European Parliament and the Council of 18.12.2006 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 / GS No95, 24.11.2006 /
Regulation on the way 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 about the norms 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 guarantee for technical characteristics or proper specific application. These data cannot be changed nor transferred to other products.

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