

MATERIAL SAFETY DATA SHEET

According to (EU) 830/2015

TOP MIX ADHESIVE FOR EPS



ADHESIVES • PLASTERS • THERMAL INSULATION

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Pages (number): 6

1. Identification of the Substance/Mixture and of the Company

1.1. Product identifier – TOP MIX ADHESIVE FOR EPS

1.2. Application of the substance

Cement-based mixture for bonding of EPS thermal insulation boards

1.3. Details of the supplier of the safety data sheet

TERAZID Ltd.

5, 5004 Street, Gara Iskar1528 Sofia, Bulgaria
tel. +359 2 9799971, office@terazid.com

1.4. Emergency telephone number (EU)

UMHATEM “Pirogov” (toxicology) -

112

+3592/9154409; +3592/9154233

2. Hazards Identification

2.1. Classification of the substance or mixture

- Classification in accordance with Regulation (EO) 1272/2008 – CLP: **The product is classified as „dangerous“.**

2.2. Label elements

Hazard pictograms:



Signal word: **Danger!**

Hazard statements:

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H335 – May cause respiratory irritation.

Precautionary statements:

P101 – If medical advice is needed, have product container or label at hand.

P102 – Keep out of reach of children.

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 – If skin irritation occurs: Get medical advice/attention.

P305 + P351 + P315 - IF IN EYES: Rinse cautiously with water for several minutes. Get immediate medical advice/attention.

P402 – Store in a dry place.

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2.3. Other hazards

Contains portland cement. When reacting with water, it creates an alkaline medium. Does not contain soluble Cr (VI) into a quantity greater than 0,0002 % within the period of storage.

For all warnings and recommendations, see **Section 15**.

3. Composition/information on ingredients

General chemical description: Adhesive on the basis of portland cement, mineral fillers and modifying additives.

Information of the substances in accordance with CLP 1272/2008/EC

CAS № EINECS №	Name	Concentration (%)	Signal word	H-codes
65997-15-1 266-043-4	Grey cement	20-40	Hazardous	H315, H318, H335

All warnings can be seen in **Section 15**.

4. First Aid Measures

4.1. Description of the first aid measures

Inhalation - Remove the person to fresh air. If the symptoms continue, immediately seek for qualified medical help.

Skin contact – Immediately rinse the area of the contact with plenty of water, then wash it thoroughly with soap and water.

Eye contact – Irrigate with plenty of water for a period of at least 15 minutes and open eyelid. Seek for qualified medical help.

Ingestion – Do NOT induce vomiting. Seek for qualified medical help.

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

In contact with the eyes: irritation.

In contact with the skin: redness, inflammation.

4.3. Indication of any immediate medical attention and special treatment needed – see p. 4.1.

5. Firefighting Measures

TOP MIX ADHESIVE FOR EPS is non-combustible and non-explosive product.

5.1. Extinguishing media

Water mist, water spray – sprayer, dry chemical, foam, carbon dioxide.

Inappropriate means for extinguishing fire - Not known.

5.2. Special hazards, arising from the substance or mixture - Non known

5.3. Advice for firefighters: Autonomous respiratory equipment.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Gloves, masks, protective clothing for work. Contact with skin and eyes should be avoided.

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6.2. Environmental precautions

Prevent this product from release in the environment. Measures should be taken for preventing contamination of surface and underground watercourses, soil, as well as falling into the drains.

In the event of an accident and/or spill of the product, measures for localization and limitation should be taken, and the collected amount of the product should be temporarily stored into a special, tightly closed and labeled containers, and after that they should be transferred to people, holding permits under the Article 37 of the Waste Management Act.

6.3. Methods and materials for containment and cleaning up

The spilled amount should be mechanically removed, by taking measure to prevent formation of high concentration of dust in the air. The amount in the form of dust or unhardened mixture should be rinses with water and soap.

Collected amount should be stored in special, tightly closed and labeled containers and to be temporarily stored on the territory of the company, and after that they should be transferred to people, holding a permit under the Waste Management Act (WMA).

7. Handling and Storage

7.1. Precautions for safe handling

The product should be used only according to its main purpose. Do not eat, drink or smoke during work. Avoid formation of dust and often ventilate the room. Avoid skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

It should be stored in ventilated and dry places, into the originally sealed packages. Temperatures lower than 0°C and higher than +50°C should be avoided.

It should be separately stored from food and drinks.

7.3. Specific Usage

There is no specific usage. It should be used only according to its main purpose.

8. Exposure Controls/Personal Protection

8.1. Control parameters

Portland cement – permitted level of inhaled powder particles: 5 ppm/5 mg/m³ air/.

8.2. Exposure controls

8.2.1. **Respiratory protection** – use a mask preventing from inhaling dust, filter P2.

8.2.2. **Skin protection** – skin contact should be avoided, wear protective gloves.

8.2.3. **Eye protection** – eye contact should be avoided, wear safety glasses.

8.2.4. **Common protection** – it should be stored away from food, drinks and food for animals.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

- Appearance – fine powder
- Color – grey
- Odor – no
- pH at 20°C – approximately 7.5
- Density – 1390 kg/m³
- Solubility – insoluble
- Explosive properties – Non explosive

9.2. Other information – no data.

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10. Stability and reactivity

10.1. Reactivity – the product reacts with the moisture and gets hardened.

10.2. Chemical stability – the product is stable under storage and usage in accordance with the indications.

10.3. Possibility of hazardous reactions – in accordance with section 10.1.

10.4. Conditions to avoid – it should be kept away from moisture at storage and transportation.

10.5. Incompatible materials – no data.

11. Toxicological Information

11.1. Information for the toxicological effects

Toxicological properties of the product are not tested. The product is classified under the conventional method in accordance with Regulation (EO) 1272/2008 - CLP. On the basis of its composition, the product can be defined as not having any toxic effects under a proper usage.

The product is not hazardous of acute poisoning.

Ingestion – It is less likely that the ingestion will lead to reaction or long-term effect, but is recommended to be avoided.

Inhalation – Dust can cause irritation in the nose, the throat and the lungs, leading to coughing.

Skin contact – In combination with heat and sweat, the product can cause irritation, but is not absorbed through the skin.

Eye contact – The product can cause serious eye damage.

12. Ecological Information

12.1. Toxicity

It is not expected that the product is hazardous for the environment (LC50 toxicity in water – it is not defined). Adding large amounts of water, however, can lead to rising of pH and therefore it can appear to be toxic to aquatic organisms at certain conditions.

12.2. Persistence and degradability – No data.

12.3. Bio-accumulative potential – Low potential of bioaccumulation.

12.4. Mobility in soil

Hard product with non-organic origin.

12.5. Results of PBT and vPvB assessment – the product does not meet the criteria of PBT (persistent, bio-accumulative and toxic) and vPvB (very persistent and very bio-accumulative).

12.6. Other adverse effects

No data.

13. Disposal Considerations

Product waste, such as residual quantities and packages, should be collected into a special, tightly sealed and labeled containers, temporarily stored, and after that to be transferred to people, holding a permit in accordance with article 37 of the Waste Management Act (publication SG, issue 53, 2012).

Waste code, in accordance with Regulation №2 from 23.07.2014 for Waste Classification:

10 13 – Waste from the production of cement, lime, gypsum and items and products, made of these materials.

10 13 14 – Waste concrete and concrete sediment.

15 01 – Packages.

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15 01 10* – Packages, containing residues of hazardous substances or contaminated with hazardous substances.
Completely empty the packages and dispose them in accordance with the local regulations– at the indicated places for paper waste.

14. Transport Information

It is not a hazardous load, in accordance with RID, ADR, ADN, IMDG, IATA-DGR.

It should be transported under the respective rules for transportation, concerning the respective type of transport and ensuring the safety of the load.

15. Regulatory information

15.1 Classification and labeling of the product in accordance with Regulation (EO) 1272/2008 - CLP /full text of the codes/

GHS Pictograms:



GHS05



GHS07

Signal word: Danger!

Recommendations for danger (N - codes): None.

Hazard statements (H - codes):

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H335 – May cause respiratory irritation.

Precautionary statements (P - codes):

P101 – If medical advice is needed, have product container or label at hand.

P102 – Keep out of reach of children.

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.

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P402 – Store in a dry place.

15.2. Legislation

National Legislation:

- Law of Protection from the Harmful Impact of the Chemical Substances and Preparations.
- Environmental Protection Law.
- Health and Safety at Work Act.
- Ordinance №3 on the minimum requirements for safety and protection of the workers when using personal protective equipment at the workplace.
- Waste Management Act.
- Ordinance №2 from 23.07.2014 for Waste Classification.
- Ordinance on the order and the method of classification, labeling and packaging of chemical substances and preparations.

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European Legislation:

- Regulation (EO) 1272/2008 – CLP from 16th December 2008, concerning the classification, labelling and packaging of substances and preparations.
- Regulation (EO) 830/2015 from 28th May 2015.

16. Other Informaiton

16.1. Indication of changes

Format in accordance with Regulation (EO) 830/2015 from 28th May 2015 amending Regulation № 1907/2006 (REACH) of the European Parliament.

16.2. Training advice

In addition to the training programs on environment and health and safety of the workers, the companies need to be sure that their workers read, understand and apply the requirements of the MSDS.

16.3. Additional information

See the application(s) of exposure scenarios for the following substances:

The basic information of the exposure scenarios of the substances in the mixture are included in points 1, 2, 3, 8, 11 and 12.

16.4. Disclaimer

This safety data sheet and the data inside of it are based on industrial and commercial experience of many years and are fully complied with the current active legislation of the Republic of Bulgaria and the European Union. This safety data sheet is not intended to guarantee any specific properties and qualities of the product. The information inside of it is reliable but, on the circumstance, that the product is used in accordance with the indicated conditions and the application, specified on the package and/or in the technical literature. Responsibility of any other use of the product, including when using it in combination with another product or process is completely under the responsibility of the user. It is understood that the user is responsible for defining the appropriate precautions and for applying the legislation, concerning his own activity.