

AYGIPS CERAMIC MOULDING GYPSUM HEALTH AND SAFETY DATA SHEET

Aygips Ceramic Moulding Gypsum Material Safety Form dated 13 December 2014, numbered 29204, "The Republic of Turkey Ministry of Environment and Urbanization has been arranged in accordance with the provisions of the "Regulation on Safety Data Sheets on Harmful Substances and Mixtures".

Part 1. Description of the Substance / Mixture and Company / Business Owner

1.1. Description of the Substance / Mixture Product Name: AYGIPS CERAMIC MOULDING GYPSUM

1.2. Use of the Substance / Mixture and Not Recommended Uses, if any: Ceramic mold gypsum is an industrial cast gypsum with fast shooting feature with a special freezing time.

1.3. Company / Business Owner Promotion Company Name:

Producer : Aytaş Alçı Enerji Maden ve İnşaat San. Tic. A.Ş. Cevizlidere Cad. No: 5/A Balgat- Ankara - TÜRKİYE

Tel: (+90) 312 473 85 15 E-posta: aygips@aygips.com.tr

Fax: (+90) 312 473 85 25 <http://www.aygips.com.tr>

Production Place : Tol Village Location Ankara Bala Kırşehir Road, 24. Km., Bala - Ankara - TÜRKİYE

Tel: (+90) 312 883 86 86

Faks: (+90) 312 883 87 67

1.4 Emergency Phone Number: Tel: (+90) 312 883 86 86

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008):

This product is not classified as dangerous under the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations).

Health hazards: Not classified.

Environmental hazards: Not classified.

Human health: Dust can irritate eyes and respiratory system. Frequent inhalation of dust increases the risk of developing lung diseases.

2.2. Label elements

There are no labeling according to Regulation (EC) NI 1272/2008. Precautionary statements P102 Keep out of the reach of children.

2.3. Other dangers

It has no application.

SECTION 3. Information on Composition / Content

3.1 Mixtures:

Calcium sulfate hemihydrate; mixed with white cement powder polymer plasticizer and natural set retarder.

Calcium Sulfate Hemihydrate: CAS: 7778-18-9

EC 231-900-3

SECTION 4. First Aid Measures

4.1. Description of First Aid Measures

Eye Contact: The eye should not be rubbed to prevent possible corneal damage in contact with gypsum powder. Contact lenses, if any, should be removed. The head is leaned forward and washed with plenty of water for at least 20 minutes to remove any particles that have got into the eyes.

Skin Contact: After the plaster comes into contact with the skin, the skin should be washed with plenty of water.

Respiratory: In case of inhalation of gypsum powder, the exposed person is immediately taken to fresh air.

Ingestion: In case of ingestion, the patient should not be vomited. Plenty of water is consumed if conscious.

4.2. Acute and Subsequent Significant Symptoms and Effects

No data are available.

4.3. First Signs for Medical Intervention and Special Treatment Requirement

When applying to the doctor, this MGBF should be with you.

SECTION 5. Firefighting Measures

5.1. Fire Extinguishers

Plaster is not flammable, but packaging materials can burn. Dry chemical powder, carbon dioxide (CO2), foam fire extinguishers or water are used.

5.2. Special hazards arising from the substance / mixture

Plaster is not flammable and when mixed with other substances, it does not have the risk of explosion and burning. Avoid breathing combustion products. In case of fire, toxic gases may be formed. (Carbon monoxide (CO). Carbon dioxide (CO2)).

5.3. Advice for Fire Fighting Teams General Information

"Plaster does not pose a fire hazard. In case of a fire, intervention is made with the extinguisher suitable for the fighting situation. Equipment Normal equipment for firefighting, such as self-contained open circuit compressed air breathing apparatus, firefighting clothing, protective gloves for firefighters, and firefighting boots.

SECTION 6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1. For Non-Emergency Staff:

Use protective equipment as described under Chapter 8 and follow the safe handling and use recommendations given under Chapter 7.

6.1.2. For Emergency Response Persons:

Emergency procedures are not required. However, respiratory protection is required in cases with high dust levels. A full and comfortable breathing apparatus is used for respiratory protection at high dose levels

6.2. Environmental Precautions:

Do not allow to enter sewage and drainage systems, aboveground and groundwater.

6.3. Methods and Materials for Preservation and Cleaning:

If possible, collect spilled material as dry (powder).

SECTION 7. Handling and Storage

The following issues should be taken into account in manual transport:

The load to be carried must be firmly grasped,

Hands, load and handles should not be slippery,

Feet and body position must be above the load (or body should be as close as possible to the front of the load),

Leg muscles should be used when lifting the load,

The back should be kept upright,

The arms should be kept in a straight and turned down position when lifting and carrying the load.

It may be useful to use protective clothing to prevent discomfort that may occur when the products come into contact with the skin during transportation.

Forklift should be used in the transportation of products shipped with pallets and / or packaging.

The carrying capacity of the truck must be sufficient, and the forklift operator must be competent and experienced

Products should be stacked in a dry place and not to tip over (maximum of 20 bags on top).

SECTION 8: Exposure controls / Personal protection

Occupational Exposure Limits

Threshold Limit Value (TLV) in Time Weighted Average (TWA) As long as the total powder does not contain asbestos and contains less than <1% crystal silica, 10 mg / m₃ (ACGIH 2004). Maximum Permissible Concentration (MAK) (Aerosol breathing rate without fiber) 6 mg / m₃ (DFG 2004).

Personal Protection:

Breathing: There should be sufficient air circulation in the work area, if not possible, use the FFP1S class dust mask in accordance with the TS EN 149 standard.

Eye: In order to prevent possible contact, it is recommended to use glasses suitable for EN 166 standard, class 2A5.

Skin: To prevent skin contact, suitable work clothes should be worn.

Hands: Protective work gloves should be used to reduce the irritating effect. Also, protective hand creams can be used.

SECTION 9: Physical and chemical properties

Appearance:	Powder
Color:	White
Smell :	Odorless, odor threshold has not been determined.
pH:	7 neutral
Melting point :	No information available
Initial boiling point and range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Evaporation factor:	Not applicable
Flammability (solid, gas):	No information available
Upper / lower flammability or explosive limits:	No information available
Steam pressure:	No information available

Density:	620-750 g/L
Resolution / resolutions:	Slightly soluble in water
Partition coefficient:	No information available
Self-ignition temperature:	No information available
Decomposition Temperature:	No information available
Viscosity:	Not applicable
Explosive properties:	It is not considered explosive.
Oxidising properties:	Does not meet classification criteria as oxidizer

9.2. Other informations: No other information

SECTION 10. Stability and Reaction

10.1. Reaction

There is no special reaction hazard with other substances under normal use.

10.2. Chemical Stability

The product is stable under normal usage and storage conditions. Stable as long as the handling and storage rules mentioned in Chapter 7 are followed

10.3. Possibility of Harmful Reactions

Hazardous reactions are not foreseen in normal conditions of use and storage.

10.4. Conditions to Avoid

Avoid dust formation

10.5.Substances to Avoid

There are no specific restrictions on substances to be avoided

10.6. Hazardous Decomposition Products

It is not known

SECTION 11. Toxicological Information

11.1. Information on Toxic Effects Acute Toxicity

Breathing: According to the available information, it does not meet the classification criteria.

Irritation and Abrasion: It is not irritating.

Eye Contact: According to the available information, it does not meet the classification criteria.

Acute Toxicity - Oral: It does not cause a significant reaction or long-term effect if swallowed in small amounts.

SECTION 12: Ecological information

It is not considered dangerous for the environment. However, large or frequent spills can have dangerous effects on the environment.

12.1. toxicity

Toxicity Based on available information, there are no classification criteria. Ecological information about materials; Calcium sulfate hemihydrate Toxicity Not toxic at water solubility limit.

12.2. Persistence and degradability

The quality loss of the product is unknown. Biodegradation Substance is inorganic. Not relevant.

12.3.Bioaccumulative potential

No information available. Partition coefficient information is not available.

12.4. Mobility in soil

It is slightly soluble in water. It hardens when it comes into contact with water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects are unknown.

SECTION 13. Information on Disposal

13.1. Waste Processing Methods

Control and disposal of waste is the responsibility of the user. Disposal should be done by handing over to a company authorized to manage waste in accordance with national and possible local laws. Never throw the product into ground, sewer and waterways.

Contaminated Packages

Contaminated packages should be sent for recycling or disposal in accordance with national laws on waste management.

SECTION 14. Transport Information

The product is not classified as dangerous according to transport regulations (ADR / RID, ADNR, IMDG, ICAO / IATA).

14.1. UN number:	Not relevant
14.2.UN proper shipping name:	Not relevant
14.3. Transport hazard class (es):	Not relevant
14.4. Packing group:	Not relevant
14.5. Environmental hazards:	Not relevant
14.6. Special precautions for the user:	Not relevant

SECTION 15: Legislative information

NATIONAL REGULATIONS

T. C. Ministry of Environment and Forestry, Regulation on Classification, Packaging and Labeling of Hazardous Substances and Preparations dated 26 December 2008, No. 27092. Implementing Regulation on the Restrictions on the Production, Placement and Use of Certain Hazardous Substances, Preparations and Articles. Regulation on Health and Safety Precautions in Working with Chemicals. Implementing Regulation on the Use of Personal Protective Equipment in Workplaces. Occupational Health and Safety Regulation.

For product standards, see:

TS EN 13279 Building Plasters,

TS EN 13963 Joint Materials,

TS EN 14496 Gypsum Based Binders

SECTION 16. Other Information

This Material Safety Data Sheet was prepared with the knowledge and experience of Aytaş Alçı A.Ş. This document; Aytaş Alçı A.Ş. It includes the health and safety issues that may be encountered during the transportation, storage and use of the plaster produced by the company and the precautions to be taken against these risks, it does not replace the product characteristics and warranty. This document; contains minimum information for health and safety. It does not include all of the health and safety measures that the user may encounter at the work site and all the risks related to work safety cannot be predicted. In summary, it does not replace the risk assessment process that the user must perform at the job site and / or cannot be used alone for risk assessment. Building plasters in this document; It is designed to be used for the purposes defined in the technical documents of Aytaş Alçı A.Ş. You should contact our Technical Support service or www.aygips.com.tr for detailed information and current technical documents about our products. It is the users' responsibility to follow up the changes and current documents.