



SAFETY DATA SHEET
ALUMINIUM HYDROXIDE
According to Regulation (EU) No 2015/830

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

1.1. Product identifier

Product name ALUMINIUM HYDROXIDE
CAS No 1344-28-1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial use

1.3. Details of the supplier of the safety data sheet

Supplier May Asit Kimyevi Mad. Tic. Ve San. Ltd. Şti.
Demirkapı Keresteciler Sitesi
İşgören sk. No: 1 34140 Rami/İSTANBUL
Tel: +90212 612 57 51
Faks: +90212 567 23 80

1.4. Emergency telephone number

Tel: +90212 612 57 51

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008) Not classified.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No labelling required. Not classified.

Hazard Statements

Not classified.

Precautionary Statements

Not classified.

2.3. Other hazards

There is a no another predicted hazard.
This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name	EC No.	CAS No.	Content	Classification (EC 1272/2008)
Aluminium hydroxide	215-691-6	1344-28-1	≥ 99 %	---

Composition Comments

- The data shown are in accordance with the latest EC Directives.



SAFETY DATA SHEET
ALUMINIUM HYDROXIDE
According to Regulation (EU) No 2015/830

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

In case of adverse health effects seek medical advice. Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air. If difficulties with breathing do not stop, search for medical help.

Ingestion

Rinse mouth with water. Drink 2 glasses of water. If feeling unwell, seek medical attention.

Skin contact

Wash with plenty of running water. Immediately remove all contaminated clothing. If irritation persists, repeat flushing and seek medical attention.

Eye contact

Immediately flush eyes with plenty of water while keeping eyelids open (at least 15 minutes). Consult a physician.

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

Inhalation : Inhalation of the substance in the form of dust may cause respiratory irritation. No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : Prolonged or repeated impact on the risk of unprotected skin may cause skin irritation. No known significant effects or critical hazards.

Eye contact : Impact on the unprotected eyes may cause mechanical irritation. No known significant effects or critical hazards.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media : This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media : Do not use water jet for security reasons.

5.2. Special hazards arising from the substance or mixture

Specific hazards

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Move container from fire area if it can be done without risk.

If possible, fight fire from protected position.

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

SAFETY DATA SHEET
ALUMINIUM HYDROXIDE
According to Regulation (EU) No 2015/830

6.2. Environmental precautions

Avoid dispersal of spilled material and runoff. Avoid creating dusty conditions and prevent wind dispersal. Collect material for recycling if possible. Not know environmental hazards. If accidental entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

Use vacuum cleaner if possible.

6.4. Reference to other sections

For personal protection, see section 8.
See section 11 for additional information on health hazards.
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Prevent dusting. Avoid inhalation of dust arising from the use of substances. Avoid contact with skin and eyes. Follow the general principles of occupational health and safety of chemicals, good industrial practice and the manufacturer's recommendations. Use personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from: oxidising agents, strong alkalis, and strong acids. Store in a dry, cool and well-ventilated area; Keep container tightly closed.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Germany OEL (TWA)	3mg/m ³ - respirable dust; 10mg/m ³ - Inhalable dust.
	BAT : 200 µg/l
United States (OSHA)	15 mg/m ³ (total dust); 5 mg/m ³ TWA (respirable fraction)

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapour/dust.

Respiratory equipment

Not necessary under normal conditions.

Hand protection

Use protective gloves made of: Rubber, neoprene or PVC. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear chemical resistant safety goggles where there is danger of eye contact.



SAFETY DATA SHEET
ALUMINIUM HYDROXIDE
According to Regulation (EU) No 2015/830

Hygiene measures

Wash hands after contact. Change work clothing daily before leaving work place.
Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

Skin protection

Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls

Please act in accordance with local and national laws.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White
Odour	Odorless
Solubility	Poorly soluble in water (0.00009 g/l at 20 C)
Boiling Point	Not applicable.
Melting point	No data available.
pH-Value	@ 20 C ~9 (10g/100ml – water dispersion)
Flash Point	Not applicable.
Decomposition temperature	No data available.
Relative density	2.42 g/cm ³
Viscosity	Not applicable.
Explosive properties	No explosive properties
Oxidising properties	No oxidising properties

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Polymerization does not occur.

10.4. Conditions to avoid

Dust generation

10.5. Incompatible materials

Incompatible with strong acids and strong bases

10.6. Hazardous decomposition products

None under normal conditions. During fire, toxic gases (CO, CO₂) are formed.



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According to Regulation (EU) No 2015/830

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product

Oral: LD50 (rat) > 5000 mg/kg
Inhalation: LC50 (rat) > 2.3 mg/l

Skin corrosion/irritation

Method OECD Guideline 404 (rabbit) – Not irritating

Serious eye damage/irritation

Method OECD Guideline 405 (rabbit) - Not irritating

Respiratory or skin sensitisation

Method OECD Guideline 406 (guinea pig)– not sensitizing.

Carcinogenicity

No data available.

Reproduction Toxicity

No data available.

STOT - single exposure

No data available

STOT - repeated exposure

No data available.

Aspiration toxicity

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Fish - OECD TG 203	>100 mg/l	Salmo trutta	pH=8
Daphnia - OECD TG 202	>100 mg/l	Daphnia magna	pH=8
Algae - OECD TG 201	>100 mg/l	Selenastrum Capricornutum	pH=8

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Not bioaccumulative.

12.4. Mobility in soil

Not mobile under normal environmental conditions

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Should not be released to the environment.



SAFETY DATA SHEET
ALUMINIUM HYDROXIDE
According to Regulation (EU) No 2015/830

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.
Environmental manager must be informed of all major spillages.

SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Revised in compliance with current regulations.

Issued By

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ALUMINIUM HYDROXIDE
According to Regulation (EU) No 2015/830

Issued Note

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