



S.S Depocular ve Ardiyeciler Koop. 102 Ada 2 Pafta 1.Kat Başakşehir, İSTANBUL

Telefon : 90 – 212 - 675 05 39 pbx

Fax No : 90 – 212 - 675 08 02

Web : www.askimya.com

E-mail : info@askimya.com

1.EMERGENCY CONTACT

Commercial Name	Magnesium Oxide
Tel. No For Emergency	+90 (212) 675 05 39 PBX
Fax No	+90 (212) 675 08 02

2. IDENTIFICATION

Name Of Product	Caustic Calsined Magnesite
Use of the substance	Binder
Manufacturer	As Kimya San. Ve Tic.ltd.Şti.
Adress	S.S.Depo Ve Ardiyeciler Kooperatifi 102 Ada 2 Pafta Kat 1 Başakşehir / İstanbul Türkiye

3.COMPOSITION

Chemical Name	MgO
Cas No	1309-48-4
Einecs No	215-171-9
Classification	Not listed
Hazard Symbols	Not listed

4.HAZARD IDENTIFICATION:

Classification

N : R	Not listed
-------	------------

Hazard Symbols

N	Not listed
---	------------

R Phrases

R	Not listed
---	------------

5.FIRST AID

After inhalation:

Fresh air. Apply mouth-to-mouth resuscitation or mechanical ventilation if necessary. Call in physician.

After skin contact:

Wash off with plenty of water. Remove contaminated clothing

After eye contact:

Rinse out with plenty of water. If pain persists, call in ophthalmologist.

After swallowing(large amounts):

Consult doctor if feeling unwell.

6. FIRE FIGHTING MEASURES

Suitable extinguishing media:

In adaption to materials stored in the immediate neighbourhood.

Special risks:

Non-combustible.

Special protective equipment for fire fighting:

Do not stay in dangerous zone without self-contained breathing apparatus.

Other information:

Prevent fire-fighting water from entering surface water or underground.

7.ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures:

Avoid generation of dusts; do not inhale dusts.

Environmental Precautions:

Avoid release to the environment. Do not discharge into drains.

Method for cleaning up:

Clean mechanically, avoid raising dust, send in suitable containers for recovery or disposal.

8.HANDLING AND STORAGE

No further requirements for handling.

Keep original packing tightly closed.

Do not store together with acids and bases.

Moisture sensitive. Air sensitive. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C.

9.EXPOSURE CONTROL AND PERSONEL PROTECTION

Do not inhale dust.

Nuisance dust limits for Magnesium Oxide : 0,1-0,5 mg/cm³.

Personel protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substance handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection : required when dusts are generated.

Eye protection : required

Hand protection :
In full contact:
Glove material: nitrile rubber
Layer thickness: 0,11 mm
Breakthrough time: > 480 Min.

In splash contact:
Glove material: nitrile rubber
Layer thickness: 0,11 mm
Breakthrough time: > 480 Min.

The protective gloves to be used most comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374, for example KCL 740 Dermatril® (full contact), 740 Dermatril® (splash contact). The breakthrough times stated above were determined by KCL in laboratory tests acc. To EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (internet:www.kcl.de).

Industrial hygiene:

Change contaminated clothing. Wash hands after working with substance.

Exposure Limits:

TWA: 10 (mg/m³) from ACGIH (TLV) (United States) Inhalation total.

TWA: 4 STEL:10 (mg/m³) (United Kingdom) Inhalation respirable.

TWA: 15 (mg/m³) from OSHA (PEL)(United States) Inhalation total.

TWA: 10 (mg/m³)(United Kingdom)(UK) Total. Consult local authorities for acceptable exposure limits.

10.PHYSICAL AND CHEMICALS PROPERTIES

Appearance	White to yellow in colour
Odour	None
Melting Point	2827 °C
Solubility in Water	(20 °C) almost insoluble
Ethanol	(20 °C) insoluble
Solubility in diluted acids	(20 °C) Soluble
Boling Point	3600 °C (1000 hPa)
Ph	7-8 (100g/l at 20 °C)
Molar Mass	40.30 g/mol
Density	3,58 g /cm ³ (25°C)
Vapour Pressure	Non applicable
Viscosity	Non applicable
Flash Point	Non applicable
Self Ignition	Non applicable
Explosion Limits	Non applicable

11.STABILITY AND REACTIVITY

Caustic calcsined magnesite is characterized by small crystallite size (0,5 micron) and moderate to high chemical reactivity.

Hazardous decomposition products: No decomposition if stored and handled as prescribed.

Material to avoid : Acids and Bases

12.TOXICOLOGICAL DATA

Routes of Entry: Inhalation. Ingestion

Toxicity to Animals:

LD₅₀ : Not available

LC₅₀ : Not available

Chronic Effect on Humans: Not available.

Other Toxic Effects to animals: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on toxicity to animals: Not available.

Special Remarks on other toxic effects on humans:

Acute Potential Health Effects:

Skin: Mild Alkali. May cause skin irritation.

Eyes: Mild alkali. May cause eye irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea.

13. ECOLOGICAL INFORMATION

Biological degradation:

Methods for the determination of biodegradability are not applicable to inorganic substance.

Exotoxic effects:

Quantitative data on the ecological effects of this product are not available.

Further ecologic data:

Due to the poor solubility of the product, no harmful effects on plants and/or aquatic organisms are to be expected when handled and used with due care and attention.

If the product does not react to form water-soluble compounds, then – due to the poor solubility – no ecological problems are to be expected.

14. TRANSPORT INFORMATION

Not subject to transport regulations.

DOT Classification: Not applicable

Special Provisions for Transport: Not applicable

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol: ---

R-phrases: ---

S-phrases: 22 Do not breathe dust

16. OTHER REGULATORY INFORMATION

USA Regulations:

Illinois toxic substance disclosure to employee act: Magnesium oxide

Rhode Island RTK hazardous substance: Magnesium oxide

Pennsylvania RTK: Magnesium oxide

Minnesota: Magnesium oxide

Massachusetts RTK: Magnesium oxide

New Jersey: Magnesium oxide

California Director's List of Hazardous Substance: Magnesium oxide

TSCA 8(b) inventory: Magnesium oxide

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC):

This product is not classified according to the EU regulations.

Not applicable.

HMIS (U.S.A):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personel Protection: E

National Fire Protection Association (U.S.A):

Health Hazard: 1
Fire Hazard: 0
Reactivity: 0
Specific Hazard:

17. OTHER INFORMATION

Other Special Considerations: Not available
Created: 18/07/2012
Last Updated: 18/07/2012

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.