## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name** : MAGNESIUM OXIDE LIGHT FOOD GRADE
**Product code** : M00100
**Identification of the product** : MAGNESIUM OXIDE LIGHT FOOD GRADE
**CAS No** : 1309-48-4
**EC No.** : 215-171-9
**Synonyms** : Calcined magnesia light, calcined magnesite light, Light magnesia, Calcinated magnesia light.

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

Identified uses : Food Chemicals, Firming,Anticaking &Texturizing Agent

### 1.3. Details of the supplier of the safety data sheet

**Company identification**

MOLYCHEM INDIA LLP
Office: Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)
Tel: +91 22 4066 8111, 2205 7772 .
Email : info@molychem.net
Works: Plot No. B/9, Badlapur M.I.D.C.,
OPP.Shobhavat Textile Co., Kulgaon, Badlapur (E),
Dist.-Thane-421 503.

### 1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**
Not classified

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable

### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

## 3. Composition/information on ingredients

### 3.1. Substances

Name : MAGNESIUM OXIDE LIGHT FOOD GRADE

CAS-No : 1309-48-4

### 3.2. Mixtures

Not applicable

## 4. First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention

First-aid measures after ingestion : Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing

Symptoms/effects after eye contact : None under normal conditions. Dust from this product may cause eye irritation.

Symptoms/effects after ingestion : None under normal conditions.

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

Treat symptomatically.

## 5. Firefighting measures

### 5.1. Extinguishing media

| | |
|---|---|
| Suitable extinguishing media | : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Water spray. Dry powder. Foam. |
| Unsuitable extinguishing media | : Do not use extinguishing media containing water. |

### 5.2. Special hazards arising from the substance or mixture

| | |
|---|---|
| Fire hazard | : No fire hazard |
| Explosion hazard | : No direct explosion hazard. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

### 5.3 Advice for firefighters

| | |
|---|---|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing |

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

| | |
|---|---|
| General measures | : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |

### 6.1.1. For non-emergency personnel

| | |
|---|---|
| Emergency procedures | : Ventilate spillage area. Evacuate unnecessary personnel. |

### 6.1.2. For emergency responders

| | |
|---|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/ personal protection" |
| Emergency procedures | : Evacuate unnecessary personnel. |

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Clear up rapidly by scoop or vacuum.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store in original container. Store in a dry place.

Storage away from : Direct sunlight. Air contact. Moisture.

### 7.3. Specific end use(s)

No additional information available

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

**8.1.5. Control banding**

No additional information available

## 8.2. Exposure controls

**8.2.1. Appropriate engineering controls**

Ensure good ventilation of the work station.

**8.2.2. Personal protection equipment**

| | |
|---|---|
| Eye protection | : Chemical goggles or safety glasses |
| Hand protection | : Wear protective gloves |
| Skin protection | : Wear suitable protective clothing |
| Respiratory protection | : Wear appropriate mask. |
| Thermal hazards | : No additional information available |

**8.2.3 Environmental exposure controls**

Avoid release to the environment

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Solid |
| Appearance | : Powder. |
| Molecular mass | : 40.3044 gm/mol |
| Colour | : White |
| Odour | : Odourless |
| Odour threshold | : Not available |
| pH | : 10.3 (saturated aqueous solution) |
| Melting point | : 2852 °C |
| Freezing point | : Not applicable |
| Boiling point | : 3600 °C at 1013 hPa |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Not available |
| Vapour pressure | : Not available |
| Relative vapour density at 20 °C | : Not applicable |
| Relative density | : Not available |
| Density | : 3.58 g/cm³ |
| Solubility | : Soluble in acids. Soluble in ammonia.<br>Water: Insoluble in water |
| Partition coefficient n-octanol/water (Log kow) | : Not available |

| | |
|---|---|
| Viscosity, kinematic | : Not applicable |
| Explosive limits | : Not applicable |

### 9.2. Other information

No additional information available

## 10. Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture.

### 10.5. Incompatible materials

No additional information available

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### 11.1. Information on toxicological effects

| | |
|---|---|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Not classified |
| Additional information | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

## 12. Ecological information

### 12.1. Toxicity

| | |
|---|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5 Results of PBT and vPvB assessment

No additional information available

### 12.6 Other adverse effects

No additional information available

## 13. Disposal considerations

### 13.1. Waste treatment methods

| | |
|---|---|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations. |
| Additional information | : Do not re-use empty containers. |

## 14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

| | |
|---|---|
| Proper Shipping Name (ADR) | : Not regulated |
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |
| Proper Shipping Name (ADN) | : Not regulated |
| Proper Shipping Name (RID) | : Not regulated |

## 14.3. Transport hazard class(es)

**ADR**

| | |
|---|---|
| Transport hazard class(es) (ADR) | : Not regulated |

**IMDG**

| | |
|---|---|
| Transport hazard class(es) (IMDG) | : Not regulated |

**IATA**

| | |
|---|---|
| Transport hazard class(es) (IATA) | : Not regulated |

**ADN**

| | |
|---|---|
| Transport hazard class(es) (ADN) | : Not regulated |

**RID**

| | |
|---|---|
| Transport hazard class(es) (RID) | : Not regulated |

## 14.4. Packing group

| | |
|---|---|
| Packing group (ADR) | : Not regulated |
| Packing group (IMDG) | : Not regulated |
| Packing group (IATA) | : Not regulated |
| Packing group (ADN) | : Not regulated |
| Packing group (RID) | : Not regulated |

## 14.5. Environmental hazards

Other information : No supplementary information available

## 14.6. Special precautions for user

**Overland transport**

Not regulated

**Transport by sea**

Not regulated

**Air transport**

Not regulated

**Inland waterway transport**

Not regulated

**Rail transport**

Not regulated

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## 15. Regulatory information

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

### 15.1.1 EU-Regulations

Not listed on REACH Annex XVII
Not listed on REACH Annex XIV (Authorisation List)
Not listed on the REACH Candidate List
Not listed on the PIC list (Regulation EU 649/2012)

Not listed on the POP list (Regulation EU 2019/1021)
Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

**Germany**

| | |
|---|---|
| Water hazard class (WGK) | : WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 5208). |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV) |

**Netherlands**

| | |
|---|---|
| SZW-lijst van kankerverwekkende stoffen | : The substance is not listed |
| SZW-lijst van mutagene stoffen | : The substance is not listed |
| SZW-lijst van reprotoxische stoffen – Borstvoeding | : The substance is not listed |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : The substance is not listed |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling | : The substance is not listed |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. Other information

| Abbreviations and acronyms | |
|---|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |

| | |
|---|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand |
| COD | Chemical oxygen demand |
| COD | Chemical oxygen demand |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |
| | |
| **Full text of H- and EUH-statements** | |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |

| | |
|---|---|
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Safety Data Sheet (SDS), EU This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.