

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product identifier:**

**Product:** Magnesium Oxide  
**CAS No:** 1309-48-4

**Relevant identified uses of the substance or mixture and uses advised against:**

**Use of substance/mixture:** Mineral nutrient source for feedstuffs.  
Mineral/nutrient source for nutrition/food.  
Manufacture of substances.  
Laboratory reagent.

**Company name:** Nexchem Ltd  
Unit 3 Barshaw Park  
Leycroft Road  
Leicester  
LE4 1ET  
Tel: 0116 2311130  
24/7 Emergency Tel: 0800 246 1274  
Email: [sales@nexchem.co.uk](mailto:sales@nexchem.co.uk)

## 2. HAZARDS IDENTIFICATION

**Classification of substance or mixture:**

**Classification under CLP:** This product has no classification under CLP.

**Label elements:** This product has no label elements.

**Other hazards:**

**PBT:** This product is not identified as a PBT/vPvB substance.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substances:**

**Chemical identity:** Magnesium Oxide  
**CAS number:** 1309-48-4

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### 4. FIRST AID MEASURES

#### Description of first aid measures:

**Skin contact:** Wash immediately with plenty of soap and water.  
**Inhalation:** Consult a doctor.  
**Ingestion:** Wash out mouth with water.  
**Eye contact:** Bathe the eye with running water for 15 minutes.

#### Most important symptoms and effects, both acute and delayed:

**Skin contact:** No symptoms.  
**Eye contact:** No symptoms.  
**Ingestion:** Not applicable.  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.  
**Delayed/immediate effects:** No data available.

#### Indication of any immediate medical attention and special treatment needed:

**Immediate/ special treatment:** No data available.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

#### Special hazards arising from the substance or mixture:

**Exposure hazards:** Not applicable.

**Advice for fire fighters:** Wear self-contained breathing apparatus.  
Wear protective clothing to prevent contact with skin and eyes.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures:

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**Environmental precautions:** Do not discharge into drains or rivers.

#### Methods and material for containment and cleaning up:

**Clean-up procedures:** Wash the spillage site with large amounts of water.

**Reference to other sections:** Refer to section 8 of SDS.

[cont...]

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## 7. HANDLING AND STORAGE

### Precautions for safe handling:

**Handling requirements:** Avoid the formation or spread of dust in the air.

### Conditions for safe storage, including any incompatibilities:

**Storage conditions:** Store in a cool, well ventilated area.

**Suitable packaging:** Not applicable.

**Specific end use(s):** See section 1.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameter:

**Workplace exposure limits:** Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	4 mg/m <sup>3</sup>	-	-	-

### DNEL/PNEC Values:

**DNEL/PNEC:** No data available.

### Exposure Controls:

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Environmental:** No special requirement.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties:

**State:** Solid

**Colour:** White

**Odour:** Odourless

**Solubility in water:** Insoluble

**Boiling point/range°C:** 3600

**Other information:** No data available.

[cont...]

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### 10. STABILITY AND REACTIVITY

**Reactivity:** Stable under recommended transport or storage conditions.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**Conditions to avoid:** Heat.

**Incompatible materials:**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Hazardous decomposition products:** Not applicable.

### 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects:**

**Toxicity values:** No data available.

**Symptoms/routes of exposure:**

**Skin contact:** No symptoms.

**Eye contact:** No symptoms.

**Ingestion:** Not applicable.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed/immediate effects:** No data available.

### 12. ECOLOGICAL INFORMATION

**Toxicity:**

**Ecotoxicity values:** No data available.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Mobility in soil:**

**Mobility:** Insoluble in water.

**Results of PBT and vPvB assessment:**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**Other adverse effects:** Negligible ecotoxicity.

[cont...]

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### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### 14. TRANSPORT INFORMATION

**Transport class:** This product does not require a classification for transport.

### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**Specific regulations:** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and Regulation (EC) 1272/2008. This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

**Chemical Safety Assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Note:** The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

**Acronyms:**

- < - less than
- > - more than
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by road
- CAS: Chemical Abstracts Service
- Cat.: Category
- CSA: Chemical Safety Assessment
- DNEL: Derived No-Effect Level
- EC: Effective Concentration
- EC OEL: European Commission Occupational Exposure Limit

**Legal disclaimer:** The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

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