

# Oxiline H

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)  
 Issue date: 5/1/2015 Revision date: 4/21/2026 Supersedes: 7/12/2023

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
 Product name : Oxiline H  
 CAS-No. : Mixture  
 Product code : 2521

#### 1.2. Other means of identification

Other means of identification : Magnesium Oxide Brick

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Refractory Brick  
 Recommended use : Industrial use

#### 1.4. Supplier's details

RHI Magnesita  
 425 South Salem Church Road  
 York, PA, 17408  
 United States  
 T 717-792-3611  
[Resco SDS.TDS@rhimagnesita.com](mailto:Resco.SDS.TDS@rhimagnesita.com) - [WWW.RescoProducts.com](http://WWW.RescoProducts.com)

#### 1.5. Emergency phone number

Emergency number : EMERGENCY ONLY (CHEMTREC) USA & Canada 1-800-424-9300  
 Outside USA & Canada +1 703-741-5970

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin corrosion/irritation, Category 2 H315 Causes skin irritation.  
 Specific target organ toxicity – Single exposure, Category 3, H335 May cause respiratory irritation from dust in sawing or tear out operations.  
 Respiratory tract irritation  
 Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning  
 Hazard statements (GHS US) : Dust from sawing or tear out may irritate eye.  
 H315 - Causes skin irritation  
 H335 - May cause respiratory irritation from dust in sawing or tear out operations.  
 Precautionary statements (GHS US) : P280 - Wear Safety shoes, protective gloves, eye protection.

#### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

#### 2.4. Hazards not otherwise classified

No additional information available

#### 2.5. Unknown acute toxicity

No additional information available

### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name            | Product identifier | %    | GHS US classification |
|-----------------|--------------------|------|-----------------------|
| Magnesium Oxide | CAS-No.: 1309-48-4 | ≥ 80 | Not classified        |

Full text of hazard classes and H-statements : see section 16

### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Dust when sawing or tear out. Allow affected person to breathe fresh air.  
 First-aid measures after skin contact : Gently wash with plenty of soap and water.

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First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation : Dust when sawing or tear out. Cough.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media : In case of fire, all extinguishing media allowed.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6 Accidental release measures

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

#### For non-emergency personnel

Protective equipment : Safety shoes. Protective gloves. Safety glasses.  
Emergency procedures : Avoid contact with skin. Avoid contact with eyes.

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

### 6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : On land, sweep or shovel into suitable containers.  
For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Hygiene measures : Do not eat, drink or smoke when using this product. Wash skin thoroughly with mild soap and water.

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

Storage conditions : Store this product in a dry location where it can be protected from the elements.  
Incompatible products : Strong acids.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

#### Magnesium Oxide (1309-48-4)

##### USA - ACGIH - Occupational Exposure Limits

|                 |                         |
|-----------------|-------------------------|
| ACGIH® TLV® TWA | 10 mg/m³ inhalable dust |
|-----------------|-------------------------|

##### USA - OSHA - Occupational Exposure Limits

|              |                          |
|--------------|--------------------------|
| OSHA PEL TWA | 10 mg/m³ respirable dust |
|--------------|--------------------------|

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Dust when sawing or tear out. Provide adequate ventilation to minimize dust concentrations.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Safety shoes. Wear suitable protective clothing

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### Respiratory protection:

Dust when sawing or tear out. Wear appropriate mask

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                            |
|-------------------------------------------------|----------------------------|
| Physical state                                  | : Solid                    |
| Appearance                                      | : Solid in various shapes. |
| Color                                           | : Yellow brown             |
| Odor                                            | : None                     |
| Odor threshold                                  | : No data available        |
| pH                                              | : No data available        |
| Melting point                                   | : > 3000 °F                |
| Freezing point                                  | : No data available        |
| Boiling point                                   | : No data available        |
| Flash point                                     | : No data available        |
| Flammability (solid, gas)                       | : Not flammable.           |
| Vapor pressure                                  | : No data available        |
| Relative vapor density at 20°C                  | : No data available        |
| Relative density                                | : ≈ 2.9                    |
| Solubility                                      | : Insoluble in water.      |
| Partition coefficient n-octanol/water (Log Pow) | : No data available        |
| Auto-ignition temperature                       | : No data available        |
| Decomposition temperature                       | : No data available        |
| Viscosity, kinematic                            | : No data available        |
| Explosion limits                                | : No data available        |
| Particle characteristics                        | : No data available        |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No additional information available.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Magnesium Oxide (1309-48-4)

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| LD50 oral rat      | > 5000 mg/kg (Rat, Literature study, Oral)                  |
| LD50 dermal rabbit | > 2000 mg/kg body weight (Rabbit, Literature study, Dermal) |

Skin corrosion/irritation : Causes skin irritation.

#### Magnesium Oxide (1309-48-4)

|                               |                  |
|-------------------------------|------------------|
| pH                            | 11 (10 %)        |
| Serious eye damage/irritation | : Not classified |

#### Magnesium Oxide (1309-48-4)

|    |           |
|----|-----------|
| pH | 11 (10 %) |
|----|-----------|

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### Magnesium Oxide (1309-48-4)

|                                   |                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------|
| Respiratory or skin sensitization | : Not classified                                                               |
| Germ cell mutagenicity            | : Not classified                                                               |
| Carcinogenicity                   | : Not classified                                                               |
| Reproductive toxicity             | : Not classified                                                               |
| STOT-single exposure              | : May cause respiratory irritation from dust in sawing or tear out operations. |
| STOT-repeated exposure            | : Not classified                                                               |
| Aspiration hazard                 | : Not classified                                                               |

### Magnesium Oxide (1309-48-4)

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Viscosity, kinematic              | Not applicable (solid)                 |
| Symptoms/effects after inhalation | : Dust when sawing or tear out. Cough. |

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

|                                                           |                  |
|-----------------------------------------------------------|------------------|
| 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

#### Oxiline H (Mixture)

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### Magnesium Oxide (1309-48-4)

|                               |                 |
|-------------------------------|-----------------|
| Persistence and degradability | Not applicable. |
| Chemical oxygen demand (COD)  | Not applicable  |
| ThOD                          | Not applicable  |

### 12.3. Bioaccumulative potential

#### Magnesium Oxide (1309-48-4)

|                           |                                    |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |
|---------------------------|------------------------------------|

### 12.4. Mobility in soil

#### Magnesium Oxide (1309-48-4)

|                 |                                     |
|-----------------|-------------------------------------|
| Surface tension | No data available in the literature |
| Ecology - soil  | No data available.                  |

### 12.5. Other adverse effects

|                              |                  |
|------------------------------|------------------|
| Ozone                        | : Not classified |
| Fluorinated greenhouse gases | : No             |

## SECTION 13 Disposal considerations

|                                            |                                                                           |
|--------------------------------------------|---------------------------------------------------------------------------|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. |
|--------------------------------------------|---------------------------------------------------------------------------|

## SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated

#### Transportation of Dangerous Goods

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

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### SECTION 15 Regulatory information

#### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### 15.2. International regulations

##### CANADA

##### Magnesium Oxide (1309-48-4)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3. State regulations

| Component                  | State or local regulations                                                                                                                            |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Magnesium Oxide(1309-48-4) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

### SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Revision date : 4/21/2026

Issue date : 5/1/2015

Other information : Report language name. English. In the event of any conflict between English and other language versions, the English version shall prevail.

#### Full text of hazard classes and H-statements

|      |                                  |
|------|----------------------------------|
| H315 | Causes skin irritation           |
| H335 | May cause respiratory irritation |

Safety Data Sheet (SDS), USA

This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein, however, RHI Magnesita makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.