

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : MagVibe 88 N
CAS-No. : Mixture
Product code : 3100
Other means of identification : Basic Specialty

1.2. Recommended use and restrictions on use

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

1.3. Supplier

Resco Products, Inc.
One Robinson Plaza, Suite 300
6600 Steubenville Pike
Pittsburgh, PA, 15205
United States
412-494-4491
SDS@RescoProducts.com - WWW.RescoProducts.com

1.4. Emergency telephone number

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

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|---|------|----------------------------------|
| Skin corrosion/irritation Category 2 | H315 | Causes skin irritation |
| Serious eye damage/eye irritation Category 2B | H320 | Causes eye irritation |
| Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation | H335 | May cause respiratory irritation |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation
Precautionary statements (GHS US) : P280 - Wear protective gloves/protective clothing/eye protection/face protection.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

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 | ≥ 95 | Not classified |

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

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

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First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause respiratory irritation.

4.3. Immediate medical attention and special treatment, 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 : Non-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

6.1.1. For non-emergency personnel

Protective equipment : [In case of inadequate ventilation] wear respiratory protection. Protective gloves. Safety glasses.

Emergency procedures : Avoid contact with skin. Avoid contact with eyes.

6.1.2. For emergency responders

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

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

No additional information available

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 any 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

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No additional information available

Magnesium Oxide (1309-48-4)

USA - ACGIH - Occupational Exposure Limits

| | |
|---------------|-------------------------------------|
| ACGIH OEL TWA | 10 mg/m ³ inhalable dust |
|---------------|-------------------------------------|

USA - OSHA - Occupational Exposure Limits

| | |
|--------------------|--------------------------------------|
| OSHA PEL (TWA) [1] | 10 mg/m ³ respirable dust |
|--------------------|--------------------------------------|

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate ventilation to minimize dust concentrations.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

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| | |
|---|--|
| Eye protection: | |
| Chemical goggles or safety glasses | |
| Skin and body protection: | |
| Wear suitable protective clothing | |
| Respiratory protection: | |
| [In case of inadequate ventilation] wear respiratory protection. | |
| SECTION 9: Physical and chemical properties | |
| 9.1. Information on basic physical and chemical properties | |
| Physical state | : Solid |
| Appearance | : Granular powder. |
| Color | : light brown |
| Odor | : odorless |
| 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 |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : ≈ 2.8 |
| 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 |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| 9.2. Other information | |
| No additional information available | |
| SECTION 10: Stability and reactivity | |
| 10.1. Reactivity | |
| No additional information available | |
| 10.2. Chemical stability | |
| Stable under normal conditions. | |
| 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) |

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| Magnesium Oxide (1309-48-4) | |
|--|---|
| 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 | : Causes eye irritation. |
| Magnesium Oxide (1309-48-4) | |
| pH | 11 (10 %) |
| 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. |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| Magnesium Oxide (1309-48-4) | |
| Viscosity, kinematic | Not applicable (solid) |
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| SECTION 12: Ecological information | |
| 12.1. Toxicity | |
| No additional information available | |
| 12.2. Persistence and degradability | |
| 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 | |
| No additional information available | |
| SECTION 13: Disposal considerations | |
| 13.1. Disposal methods | |
| No additional information available | |
| 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 | |
| SECTION 15: Regulatory information | |
| 15.1. US 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 | |

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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. US 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 Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 5/3/2023

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 H-phrases | |
|------------------------|----------------------------------|
| H315 | Causes skin irritation |
| H320 | Causes eye 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, Resco Products, Inc. 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.