**Hummel Croton Inc.**
**10 Harmich Rd.**
**South Plainfield, NJ 07080**
**www.HummelCroton.com**
**Phone: 908-754-1800**
**Fax: 908-754-1815**

**In Case Of Emergency Call Chemtrec®**
**(U.S.) (800) 424-9300**
**(International) (703) 527-3887**

# Magnesium Peroxide
# Safety Data Sheet

## 1. Product and Company

| | |
|---|---|
| Product name: | Magnesium Peroxide |
| Synonym: | Magnesium Dioxide |
| CAS-No.: | 1335-26-8 |
| Company: | Hummel Croton Inc.<br>10 Harmich Rd.<br>South Plainfield, NJ 07080 |
| Telephone: | 908-754-1800 |
| Fax: | 908-754-1815 |

| HMIS Rating | |
|---|---|
| Health | 1 |
| Flammabilitiy | 1 |
| Reactivity | 1 |
| Personal Protection | E |

Emergency telephone number

| | |
|---|---|
| Emergency Phone #: | Chemtrec US: 800-424-9300<br>Chemtrec International: 703-527-3887 |

## 2. Hazards

GHS Classification Oxidizing solids (Category 2), H272

**GHS Label elements**

Pictogram(s)

Signal word **DANGER**

Hazard statement(s)

H272 May intensify fire; oxidizer.

Precautionary statement(s)

P210 Keep away from heat.
P220 Keep/Store away from clothing/ combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

## 3. Composition/Ingredients

Substance
Formula: $MgO_2$
Molecular weight: 56.30 g/mol
CAS-No.: 1335-26-8

| Material | CAS | % | OSHA | ACGIH |
|---|---|---|---|---|
| Magnesium Peroxide | 1335-26-8 | 50-60% | Not Established | Not Established |
| Magnesium Oxide | 1309-48-4 | 5-40% | Not Established | Not Established |
| Magnesium Carbonate | 598-62-9 | 5-40% | Not Established | Not Established |

## 4. First Aid

**First Aid For Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
**First Aid For Skin:** In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.
**First Aid For Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
**First Aid For Ingestion:** If swallowed, call a physician immediately.

## 5. Fire Data

Flammability: Non-Flammable
Flash Point: Not Applicable
Auto Ignition: Not Applicable
Flammable Limits: Not Applicable
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Fire/Explosion Hazards: May accelerate combustion. Contact with other material may cause fire. Emits toxic fumes under fire conditions.

## 6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

## 7. Handling And Storage

Storage Temperatures: Store at ambient temperature
Shelf Life: Unlimited in tightly sealed container
Special Sensitivity: None.
Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

## 8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.
Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.
Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.
Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.
Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

## 9. Physical And Chemical Properties

Physical Form: Powder
Color: White to Cream
Odor: Odorless
Molecular Weight: 56.30 g/mol
Boiling Point: Decomposes
Melting/Freezing Point: Decomposes
Solubility In Water: Insoluble
Specific Gravity: Not Established

## 10. Stability And Reactivity

Stability: Stable.
Hazardous Polymerization: Will not occur.
Incompatibilities: Organic materials, finely powdered metals and acids. Sensitive to moisture.
Instable Conditions: Excessive temperatures (see incompatibilities).
Decomposition Temperature: Not Established
Decomposition Products: Oxides of magnesium.

## 11. Toxicological Information

RTECS Number: Not Established
Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity Data: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Chronic Toxic Effects: This product has no known chronic effects. Repeated or prolong exposure to this compound is not known to aggravate medical conditions.
Acute Toxic Effects: May be harmful by inhalation, ingestion, or skin absorption. May cause eye irritation. May cause skin irritation. Material may be irritating to mucous membranes and upper respiratory tract.

## 12. Ecological Information

Ecotoxicity: Not available at this time.

## 13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## 14. Transportation Information

Proper Shipping Name: Magnesium Peroxide
UN Number: 1476
Class: 5.1
P.G.: II
Label Code: 5.1

## 15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.
SARA 313 Title III:

- Section 320 Extremely Hazardous Substances: None
- Section 311/312 Hazardous Categories: None
- Section 313 Toxic Chemicals: None

## 16. Other Information

Prepared By: Michael Richard
Date: June 1, 2015
Reason For Issue: GHS Compliance

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