



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. MM 35
Effective Date July 15, 1998

SECTION V HEALTH HAZARD DATA

MM 35

Threshold Limited Value

None established. (ACGIH 1992-93).

Effects of Overexposure

Oral: LD50 mouse >5000 mg/kg; causes notable catharsis. Estimated lethal dose in humans - 0.5 to 5.0 g/kg (based on experience). **SKIN:** Mild irritant. **EYES:** Mild irritant. **INHALATION:** Mild to moderate irritant to the upper respiratory system.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If ill effects develop, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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|-----------|----------|---|---------------------|---------------------------------|
| Stability | Unstable | | Conditions to Avoid | Excessive temperature and heat. |
| | Stable | X | | |

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| Incompatibility (Materials to Avoid) | Dilute acids. |
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| Hazardous Decomposition Products | Carbon dioxide (CO ₂) and (MgO) magnesium oxide. |
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| Hazardous Polymerization | Conditions to Avoid | | Not applicable. |
| | May Occur | Will Not Occur | |
| | | X | |

SECTION VII SPILL OR LEAK PROCEDURES

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| Steps to be taken in case material is released or spilled | Recover for use if not contaminated. Sweep up and place in a suitable container. |
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Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in an approved chemical landfill or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| Respiration Protection (Specify Type) | None needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask. | | |
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| Ventilation | Local Exhaust | Recommended. | Special | No. |
| | Mechanical (General) | Recommended. | Other | No. |

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|-------------------|---------|----------------|--------------------------|
| Protective Gloves | Rubber. | Eye Protection | Chemical safety glasses. |
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| Other Protective Equipment | Eye wash station, goggles, lab coat, ventilation hood. |
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SECTION IX SPECIAL PRECAUTIONS

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| Precautions to be Taken in Handling & Storing | Store in a cool, dry place away from acids and acid fumes. Wash thoroughly after handling. |
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| Other Precautions | Read label on container before using. Do not wear contact lenses when working with chemicals. |
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Do not breathe dust. Avoid contact with skin and eyes. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

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| Revision No. 3 | Date 7/15/98 | Approved | Michael Raszeja | Chemical Safety Coordinator | MR |
|----------------|--------------|----------|-----------------|-----------------------------|----|

The information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

| | | |
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| Product | MAGNESIUM CARBONATE | CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4 |
| Chemical Synonyms | Magnesium Carbonate, Block | |
| Formula | 7MgCO ₃ •2Mg(OH) ₂ •7H ₂ O | |
| Unit Size | 2 oz. per block (8 per box) = 500 grams | |
| C.A.S. No. | 546-93-0 | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|----------------------------|------|-------------------|
| Magnesium Carbonate, Block | 100% | None established. |

CAUTION! MILD IRRITANT TO SKIN AND EYES.

IRRITANT TO LUNGS UPON INHALATION AS DUST.

SECTION III PHYSICAL DATA

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|------------------------|------------------------|---|--------------------|
| Melting Point (°F) | None listed. | Specific Gravity (H ₂ O = 1) | 2.958 @ 25°C |
| Boiling Point (°F) | None listed. | Percent Volatile by Volume (%) | Non-volatile (NA). |
| Vapor Pressure (mm Hg) | Negligible as solid. | Evaporation Rate (=1) | Non-volatile (NA). |
| Vapor Density (Air=1) | Data not listed. | | |
| Solubility in Water | 0.01% @ 25°C | | |
| Appearance & Odor | White block; odorless. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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| Flash Point (Method Used) | Non-flammable (NA). | Flammable Limits in Air % by Volume | NA | Lower | Upper |
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| Extinguisher Media | Use any media suitable for extinguishing supporting fire. |
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SPECIAL FIREFIGHTING PROCEDURES

Decomposes with the release of carbon dioxide (CO₂) at elevated temperatures. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with acids yielding carbon dioxide.

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| D.O.T. | NON-REGULATED. |
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20