



# SAFETY DATA SHEET

Revised 08-23-21

## 1. IDENTIFICATION

<b>Product Name</b>	MIN-AD®
<b>Common Name/ Synonym</b>	Magnesium Limestone, Dolomite Calcium Magnesium Carbonate
<b>Recommended Use</b>	Magnesium Limestone labeled according to AAFCO Definitions & Standards 57.11 and contains a minimum of 10% magnesium and 20% calcium. The amount of MIN-AD fed varies with application, ration composition, and production levels. Beef cattle can be fed at about 3 ounces per head per day or 0.75% - 1.00% of the total ration on a dry matter basis. Dairy cattle can be fed at the rate of 3-6 ounces per head per day, depending on whether it is fed in combination with other buffer products.
<b>Manufactured For Address</b>	Papillon Agricultural Company 129 N. West Street 2 <sup>nd</sup> Floor, Easton, MD 21601 USA
<b>Contact Information</b>	Telephone: (800) 888-5688 Fax: (410) 822 0429
<b>Emergency Phone</b>	(443) 496-1286

## 2. HAZARD(S) IDENTIFICATION

<b>Classification</b>	The product is not classified.
<b>Label Elements</b>	<b>Signal Word-</b> N/A Due to FDA labeling exemption <b>Hazard Statements-</b> None; Nontoxic and chemically inert. <b>Precautionary Statements-</b> Excessive inhalation may cause irritation of the nose, throat, and respiratory passages. Use appropriate respiratory protection equipment. Dust may irritate eyes (mechanical irritation). Flush from eyes with water. Safety glasses are recommended.
<b>Other Hazards</b>	None; Noncombustible, will not burn.

## 3. COMPOSITION/ INFORMATION

<b>Chemical Name</b>	Calcium Magnesium Carbonate
<b>Common Name</b>	Magnesium Limestone, Dolomite
<b>CAS#</b>	16389-88-1
<b>Chemical Formula</b>	(Ca,Mg)(CO <sub>3</sub> ) <sub>2</sub> Calcium Carbonate (CaCO <sub>3</sub> ) 54% Magnesium Carbonate (MgCO <sub>3</sub> ) 43% Calcium (Ca) 21% Magnesium (Mg) 12%

## 4. FIRST AID MEASURES

<b>First Aid Procedures</b>	<b>Inhalation:</b> Excessive inhalation may cause irritation of the nose, throat, and respiratory passages. Move to a well-ventilated area. <b>Skin / Eye contact:</b> Dust may irritate eyes (mechanical irritation). Flush from eyes with water. <b>Ingestion:</b> Not harmful if ingested.
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<b>Most Important Symptoms/ Effects, Acute and Delayed Special Treatment</b>	Not Applicable  No special measures required.
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## 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Specific Hazards</b>	Noncombustible, will not burn.
<b>Fire-Fighter Precautions</b>	Not Applicable

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment And Emergency Procedures</b>	Use appropriate personal protection equipment such as respiratory equipment and safety glasses to protect from dust.
<b>Clean-up Methods</b>	Clean up with a vacuum, broom or shovel and return to container.

## 7. HANDLING AND STORAGE

<b>Safe Handling Precautions</b>	Use appropriate respiratory protection equipment. Safety glasses recommended.
<b>Safe Storage Conditions</b>	Store in a dry place to maintain free-flowing properties.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<b>Exposure Controls</b>	Not Applicable
<b>Personal Protection</b>	Use appropriate respiratory protection equipment. Safety glasses are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Powder/ Granules
<b>Color</b>	Grey
<b>Odor</b>	None
<b>pH</b>	Not Applicable
<b>Melting/Freezing Point</b>	Not Applicable
<b>Boiling Point/ Range</b>	Not Applicable
<b>Flash Point</b>	Not Applicable
<b>Evaporation Rate</b>	Not Applicable
<b>Flammability/ Limits</b>	None
<b>Vapor Pressure</b>	Not Applicable
<b>Vapor Density</b>	Not Applicable
<b>Relative Density</b>	2.85
<b>Solubility</b>	Insoluble in water. Soluble in acids.
<b>Partition Coefficient</b>	Not Applicable
<b>Auto-ignition Temp</b>	Not Applicable
<b>Decomposition Temp</b>	Not Applicable
<b>Viscosity</b>	Not Applicable

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable; no hazardous polymerization or decomposition products
<b>Chemical Stability</b>	Stable under normal ambient temperature and conditions while in storage and being handled. No stabilizer is needed to maintain chemical stability. There are no safety issues that would arise should the product change in physical appearance.

<b>Possibility Of Hazardous Reactions Conditions To Avoid Incompatible Materials Hazardous Decomposition Products</b>	None Not Applicable Soluble in acids. None Known.
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## 11. TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects</b>	MIN-AD is not listed in the National Toxicology Program (NTP) Report on Carcinogens or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs or found to be a potential carcinogen by OSHA. <b>Likely routes of exposure:</b> Inhalation and eye contact. <b>Description of symptoms:</b> Excessive inhalation may cause irritation of the nose, throat, and respiratory passages. Dust may irritate eyes (mechanical irritation).
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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity Persistence and Degradability Bioaccumulative Potential Mobility in soil Other adverse effects</b>	No data available No data available No data available No data available No data available
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## 13. WASTE DISPOSAL CONSIDERATIONS

<b>Procedures</b>	Dispose of in accordance with Local, State, and Federal environmental regulations.
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## 14. TRANSPORT INFORMATION

<b>UN Number UN Proper Shipping Name Transportation Hazard Class Packing Group Environmental Hazards Transport in Bulk (ANNEX II of MARPOL 73/78 &amp; IBC CODE) Special Precautions</b>	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
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## 15. REGULATORY INFORMATION

<b>Regulations</b>	Not Applicable
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## 16. OTHER INFORMATION

<b>Preparation Date</b>	08-23-21
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Reasonable care has been taken in preparation of this Safety Data Sheet. However, the data provided herein is without warranty, express or implied, regarding its correctness or accuracy. Individual users should determine the suitability of the information for their particular purpose and assume responsibility for loss, injury, damage, or expense resulting from improper use of this product.