



SAFETY DATA SHEET

REVISED 12-11-19

1. IDENTIFICATION

Product Name	MIN-AD®
Common Name/ Synonym	Magnesium Limestone, Dolomite Calcium Magnesium Carbonate
Recommended Use	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.
Manufacturer Address Contact Information Emergency Phone	Papillon Agricultural Company 129 N. West Street 2 nd Floor, Easton, MD 21601 USA Telephone: (800) 888-5688 Fax: (410) 822 0429 (443) 496-1286

2. HAZARD(S) IDENTIFICATION

Classification	The product is not classified.
Label Elements	Signal Word- N/A Due to FDA labeling exemption Hazard Statements- None; Nontoxic and chemically inert. Precautionary Statements- 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.
Other Hazards	None; Noncombustible, will not burn.

3. COMPOSITION/ INFORMATION

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

4. FIRST AID MEASURES

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

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

Reactivity	Stable; no hazardous polymerization or decomposition products
Chemical Stability	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.
Possibility Of Hazardous Reactions	None
Conditions To Avoid	Not Applicable
Incompatible Materials	Soluble in acids.
Hazardous Decomposition Products	None Known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects	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. Likely routes of exposure: Inhalation and eye contact. Description of symptoms: 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

Ecotoxicity	No data available
Persistence and Degradability	
Bioaccumulative Potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. WASTE DISPOSAL CONSIDERATIONS

Procedures	Dispose of in accordance with Local, State, and Federal environmental regulations.
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14. TRANSPORT INFORMATION

UN Number	Not Applicable
UN Proper Shipping Name	Not Applicable
Transportation Hazard Class	Not Applicable
Packing Group	Not Applicable
Environmental Hazards	Not Applicable
Transport in Bulk (ANNEX II of MARPOL 73/78 & IBC CODE)	Not Applicable

Special Precautions Not Applicable

15. REGULATORY INFORMATION

Regulations Not Applicable

16. OTHER INFORMATION

Preparation Date 12-11-2019

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.