

MIN-AD

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME	MIN-AD®
RECOMMENDED USE	Rumen buffering agent in dairy animals
MANUFACTURER	Papillon Agricultural Company
ADDRESS	129 N. West Street 2 nd Floor, Easton, Maryland 21601
CONTACT INFORMATION	Telephone: (800) 888-5688 Fax: (410) 822-0429
EMERGENCY PHONE NUMBER	(443) 496-1286

SECTION 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION	None- nontoxic and chemically inert.
SIGNAL WORD/ PRECAUTIONARY STATEMENT	Excessive inhalation may cause irritation of the nose, throat, and respiratory passages. Use appropriate respiratory protection equipment. Dust may irritate eyes (mechanical irritation). Safety glasses are recommended.
OTHER HAZARDS	Not Applicable

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

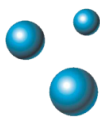
INGREDIENTS	Magnesium Limestone labeled according to AAFCO Definitions & Standards 57.11 and contains a minimum of 10% magnesium and 20% calcium. (Ca,Mg)(CO3)2
CONCENTRATION	Calcium Carbonate (CaCO3) 54% Magnesium Carbonate (MgCO3) 43% Calcium (Ca) 21% Magnesium (Mg) 12%

SECTION 4: FIRST AID MEASURES

FIRST AID MEASURES	Excessive inhalation may cause irritation of the nose, throat, and respiratory passages. Move to a well ventilated area. Dust may irritate eyes (mechanical irritation). Flush eyes with water. Not harmful if ingested.
SYMPTOMS/ DELAYED EFFECTS	Not Applicable
SPECIAL TREATMENT	Not Applicable

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Not Applicable
SPECIFIC HAZARDS	Not Applicable
FIRE-FIGHTER PRECAUTIONS	Not Applicable



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SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Respiratory mask/filter and eye goggles to protect from dust.
CLEAN-UP METHODS	Vacuum or sweep up any spilled product and return to container.

SECTION 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.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

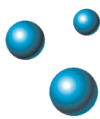
OSHA EXPOSURE LIMIT	Not Applicable
ENGINEERING CONTROLS	Not Applicable
PERSONAL PROTECTIVE EQUIPMENT	Basic respiratory mask/filter and eye goggles to protect from dust

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Grey powder	FLAMMABILITY LIMITS	None
ODOR	None	VAPOR PRESSURE	Not Applicable
ODOR THRESHOLD	Not Applicable	VAPOR DENSITY	Not Applicable
pH	Not Applicable	RELATIVE DENSITY	2.85
MELTING/ FREEZING POINT	Not Applicable	SOLUBILITY	Insoluble in water. Soluble in acids.
INITIAL BOILING POINT/ BOILING RANGE	Not Applicable	PARTITION COEFFICIENT: N-OCTANOL/ WATER	Not Applicable
FLASH POINT	Not Applicable	AUTO-IGNITION TEMP	Not Applicable
EVAPORATION RATE	Not Applicable	DECOMPOSITION TEMP	Not Applicable
FLAMMABILITY	Not Applicable	VISCOSITY	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Stable
CHEMICAL STABILITY	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS	Polymerization will not occur
CONDITIONS TO AVOID	Not Applicable
INCOMPATIBLE MATERIALS	Strong acids will degrade product
HAZARDOUS DECOMPOSITION PRODUCTS	Not Applicable



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SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE ROUTES	Inhalation and eye contact; Dust may cause mild irritation to lungs and eyes
SYMPTOMS OF TOXICOLOGICAL EFFECTS	Information not available
DELAYED/ IMMEDIATE EFFECTS OF LONG/ SHORT EXPOSURE	Information not available
NUMERICAL MEASURES OF TOXICITY	Information not available
LISTED BY NTP/ IARC/ OSHA	MIN-AD is not listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

ECOTOXICITY	Information not available
PERSISTENCE AND DEGRADABILITY	Information not available
BIOACCUMULATIVE POTENTIAL	Information not available
MOBILITY IN SOIL	Information not available
OTHER ADVERSE EFFECTS	Information not available

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

TOXIC WASTE RESIDUE	Not Applicable
DISPOSAL OF CONTAMINATED PACKAGING	Not Applicable

SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)

UN NUMBER	Not Applicable
UN PROPER SHIPPING NAME	Not Applicable
TRANSPORT 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

SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)

REGULATIONS	Not Applicable
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SECTION 16: OTHER INFORMATION

PREPARATION DATE	January 25, 2018
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