

# ZAR-MIN<sup>®</sup>

## FEED ADDITIVE

### Safety Data Sheet

#### SECTION 1: IDENTIFICATION

PRODUCT NAME	ZAR-MIN
RECOMMENDED USE	Feed Additive; Rumen buffering agent in dairy animals
MANUFACTURER	Papillon Agricultural Company
ADDRESS	129 N. West Street, 2 <sup>nd</sup> 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	Not classified as hazardous.
SIGNAL WORD/ PRECAUTIONARY STATEMENT	Not Applicable
OTHER HAZARDS	Not Applicable

#### SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENTS	100% Natural zeolite ore
CONCENTRATION	100% Natural zeolite ore

#### SECTION 4: FIRST AID MEASURES

FIRST AID MEASURES	Rinse eyes with clean water if irritated by dust; If swallowed rinse out mouth and then drink plenty of water. Do not induce vomiting. Treat symptomatically.
SYMPTOMS/ DELAYED EFFECTS	Not Applicable
SPECIAL TREATMENT	Not Applicable

#### SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Noncombustible; Compatible with all extinguishing media
SPECIFIC HAZARDS	Not Applicable
FIRE-FIGHTER PRECAUTIONS	Not Applicable

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Respiratory mask/filter and safety glasses to protect from dust
CLEAN-UP METHODS	Pick up mechanically and place in a suitable container. Avoid generating dust.

### SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PRECAUTIONS	Avoid contact with eyes, skin, and clothing. Avoid generating and breathing dust.
SAFE STORAGE CONDITIONS	No special requirements. Bags may be kept in a cool dry area and away from strong acids for maximum stability.

### SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

OSHA EXPOSURE LIMIT	Does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.
ENGINEERING CONTROLS	Not Applicable
PERSONAL PROTECTIVE EQUIPMENT	Use in a well ventilated workplace. Avoid generating and contacting dust. Wear safety glasses.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Light tan to light green solid (powders and granules)	FLAMMABILITY LIMITS	Not Applicable
ODOR	Odorless	VAPOR PRESSURE	Not Applicable
ODOR THRESHOLD	Not Applicable	VAPOR DENSITY	Not Applicable
pH	Not Applicable	RELATIVE DENSITY	Not determined
MELTING/ FREEZING POINT	Not Applicable	SOLUBILITY	Insoluble in water
INITIAL BOILING POINT/ BOILING RANGE	Not Applicable	PARTITION COEFFICIENT: N-OCTANOL/ WATER	Not Applicable
FLASH POINT	Not Applicable. Will not burn.	AUTO-IGNITION TEMP	Will not auto ignite.
EVAPORATION RATE	Not Applicable. Does not evaporate	DECOMPOSITION TEMP	Not Applicable
FLAMMABILITY	Not Applicable	VISCOSITY	Not Applicable- solid.

### SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Not Applicable
CHEMICAL STABILITY	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS	Possibility of hazardous reaction with strong acids and strong alkali.
CONDITIONS TO AVOID	No further information available.
INCOMPATIBLE MATERIALS	Strong acids and strong bases.
HAZARDOUS DECOMPOSITION PRODUCTS	No further information available.

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### SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE ROUTES	Inhalation and eye contact; Dust may cause milk 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	Information not available

### SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

ECOTOXICITY	No known toxicity to plants or animals.
PERSISTENCE AND DEGRADABILITY	Inorganic material does not decompose and is not eliminated from environment by means of biological cleaning processes.
BIOACCUMULATIVE POTENTIAL	Does not bioaccumulate in animals or plants
MOBILITY IN SOIL	Not mobile.
OTHER ADVERSE EFFECTS	Information not available

### SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

TOXIC WASTE RESIDUE	Not a RCRA Hazardous Waste
DISPOSAL OF CONTAMINATED PACKAGING	Small uncontaminated quantities can be disposed of with household waste. Dispose in accordance with federal, state (provincial), and local regulations.

### 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	February 21, 2018
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