

MATERIAL SAFETY DATA SHEET

pHusion KMS Plus

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name:	pHusion KMS Plus		
Common Name:	potassium magnesium sulfate, calcium sulfate, calcium carbonate		
Chemical Description:	potassium magnesium sulfate, calcium sulfate, calcium carbonate		
1.2 Manufactured For:	Plant Food Company, Inc. 38 Hightstown-Cranbury Station Road Cranbury, NJ 08512	Emergency Telephone Number Telephone Number for Information Date Prepared	609-448-0935 609-448-0935 11/1/2011

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical)

Identity: Common Name	(CAS #)	OSHA PEL	ACGIH TLV	Other Limits Recommended
Potassium Magnesium Sulfate	0	N/A	N/A	N/A
Calcium Sulfate	0	N/A	N/A	N/A
Calcium Carbonate	0	N/A	N/A	N/A
Magnesium Carbonate	0	N/A	N/A	N/A
Calcium Oxide	0	N/A	N/A	N/A
Wood Chemicals	0	N/A	N/A	N/A

SECTION 3: HAZARDS IDENTIFICATION

Grey to brown granule with slight odor. May cause eye and skin irritation. May be harmful if ingested. Carbon monoxide fumes may form from burning. Not D.O.T. regulated

NEPA: Health:1 Reactivity:0 Flammability:0 Environment:0 (0=Insignificant=1 Slight 2=Moderate 3=High 4=Extreme)

EMERGENCY OVERVIEW

This material is not a 'health hazard' or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration Hazard Communication Standard, 20 CFR 1910.1200

SECTION 4: FIRST AID MEASURES

4.1 EYES: Flush immediately with plenty of water for at least 15 minutes while holding eyelids apart to ensure complete irrigation of all eye and lid tissue. If irritation occurs, seek medical attention.

4.2 SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.

4.3 INGESTION: If conscious and alert, administer water or milk to dilute. Call Poison Control Center or physician immediately. Do not give anything by mouth to an unconscious person.

4.4 INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

SECTION 5: FIREFIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

FLASHPOINT: NOT FLAMMABLE METHOD USED: Closed Cup/NONCOMBUSTIBLE

5.2 FLAMMABLE LIMITS: LFL: NA UFL: NA

5.3 EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, or water fog.

5.4 FIRE & EXPLOSIVE HAZARDS:

5.5 FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus, pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 SMALL RELEASES: Contain product. Reuse material if uncontaminated. If contaminated, sweep, shovel or vacuum material into a suitable container for proper disposal. Do not contaminate water supplies.

6.2 WASTE DISPOSAL METHOD: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING: Avoid contact with eyes. Use only in a well ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated contact with the skin.

7.2 STORAGE: Store in original container only in a cool, well-ventilated, dry place. Do not store near food or feeds.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 RESPIRATORY PROTECTION: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/moist respirator (such as 3M#8710). Ventilation: Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA app

8.2 SKIN PROTECTION: Neoprene rubber groves and apron should be worn to prevent repeated or prolonged contact(dust). Wash contaminated clothing prior to reuse.

8.3 EYE PROTECTION: Chemical goggles and a full face shield. DO NOT WEAR CONTACT LENSES.

8.4 EXPOSURE GUIDELINES:	TWA	STEL
OSHA	N/A	N/A
ACGIH	N/A	N/A

8.5 ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE	Grey to brown granule
9.2 ODOR:	Slight Lignin Odor
9.3 VAPOR PRESSURE:	None
9.4 VAPOR DENSITY:	None
9.5 SOLUBILITY IN WATER:	Low
9.6 SPECIFIC GRAVITY (H ₂ O = 1):	0.85
9.7 MELTING POINT:	None
9.8 pH:	N/A
9.9 VOLATILE:	N/A
9.10 COLOR:	Grey to Brown
9.11 WEIGHT PER GALLON:	N/A
9.12 STORAGE LIFE AT 70° F:	> 1 Year
9.13 PH-21C:	N/A
9.15 VISCOSITY:	N/A
9.16 FREEZING POINT:	N/A
9.17 EVAPORATION RATE:	None
9.18 BOILING POINT:	Decomposes @ 1649° F

SECTION 10: STABILITY AND REACTIVITY

- 10.1 STABILITY: Stable
- 10.2 HAZARDOUS POLYMERIZATION: Will not occur.
- 10.3 HAZARDOUS DECOMPOSITION PRODUCTS: Burning may result in formation of carbon monoxide fumes
- 10.4 INCOMPATIBILITY: Not Available

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 ORAL: May cause stomach cramps and/or nausea.
- 11.2 DERMAL: May cause slight irritation, especially from prolonged exposure. May cause redness.
- 11.3 INHALATION: None expected but inhalation may cause mild irritation of nasal mucous membranes.
- 11.4 CHRONIC/CARCINOGENICITY: Not a carcinogen
- 11.5 TERATOLOGY: Data not available
- 11.6 REPRODUCTION: Data not available
- 11.7 MUTAGENICITY: Data not available
- 11.8 EYES: Considered an irritant Characteristic of mild organic acids.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Alga/Lemna Growth Inhibition: Not known.
- 12.2 Toxicity to Fish and Invertebrates: Not known
- 12.3 Toxicity to Plants: Not known
- 12.4 Toxicity in Birds: Not known

SECTION 13: DISPOSAL CONSIDERATIONS

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Collect and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations

SECTION 14: TRANSPORTATION INFORMATION

D.O.T.	Not D.O.T. Regulated
Other Shipping Description:	Label as required by the OSHA Hazard Communication standard (29 CFR 1910.1200(f)), and applicable state and local regulations

SECTION 15: REGULATORY INFORMATION

- 15.1 CERCLA: None

SECTION 16: OTHER INFORMATION

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