

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: POLYON® NPK + Micros

Product Type: Solid Granule

Recommended use / restrictions of use: Professional applications of Agricultural fertilizer. No restrictions.

Supplier's Details: Harrell's LLC
5105 New Tampa Hwy
Lakeland, FL 33815
1-800-282-8007

Emergency contact numbers

For Transportation Emergencies

Name : Chemtrec
Phone Number : 1-800-424-9300
Customer Number : 10202

For Medical Emergencies

Name : Rocky Mountain Poison Control Center
Phone Number : 1-800-304-0824

2. HAZARDS IDENTIFICATION

Hazard classification: This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Hazard pictograms: None

Signal word: Not Applicable

Hazard statements: None

Precautionary statements: Read label before use.

Other hazards: None

Other hazards not contributing to the classification: Spill area may be slippery.

SAFETY DATA SHEET

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Chemical name/component	CAS#	Concentration
Ammonium Nitrate	6484-52-2	35-45%
Potassium Sulfate	7778-80-5	20 – 30
Polymer Coating	Proprietary Mixture	4 – 17
Monoammonium Phosphate	7722-76-1	5 – 10
Magnesium Sulfate	7487-88-9	5 – 10
Non-hazardous Ingredients	Proprietary	5 – 10
Diammonium Phosphate	7783-28-0	< 4
Copper (II) Sulfate Pentahydrate	7758-99-8	< 0.4
Zinc Sulfate	7733-02-0	< 0.3

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact --If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

Skin Contact - If on skin: Wash thoroughly with soap and water. Launder clothing before reuse

Inhalation -- If inhaled: Remove affected person from source of exposure. Call 911 if breathing is difficult.

Ingestion -- If ingested: Do not induce vomiting. Get medical attention. Have the product label with you when calling a doctor or going for treatment.

Indication of any immediate medical attention and special treatment needed: No additional information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water spray, dry chemical, carbon dioxide, sand

Unsuitable extinguishing media: None

Special hazards arising from the substance or mixture: Material will not burn. However, material undergoes decomposition at elevated temperatures to release toxic and combustible gases.

Advice for firefighters

Firefighting instructions: Material will not burn. Use extinguishing media appropriate for the surrounding materials.

Protection during firefighting: Wear respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Protective equipment: Use protective equipment to prevent contact with skin and eyes plus prevent inhalation of dust if generated.

Emergency procedures: Site specific.

Environmental precautions: Prevent entry to sewers and public surface waters.

Methods and material for containment and cleaning up

Clean up methods: Use mechanical means. Store material in suitable containers for recycle or disposal. Minimize dust generation.

Reference to other sections: See Section 7 for safe handling information.

SAFETY DATA SHEET

7. HANDLING AND STORAGE

Precaution for safe handling: Avoid contact with skin and eyes. After handling, wash hands thoroughly with soap and water. Avoid generating and breathing dust. Wash before eating and drinking.

Fire/explosion precautions: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry, cool, and well-ventilated area. Protect from weather.

Incompatible materials: Strong bases and strong acids.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value/Notation
Dust – inhalable particles	ACGIH	TWA	10 mg/m ³
Dust – respirable particles	ACGIH	TWA	3 mg/m ³

Exposure controls

Appropriate engineering controls: If dust is generated during handling, use adequate ventilation to keep exposure to airborne dust level below the threshold limits.

Hand protection: Wear suitable protective gloves.

Eye protection: Safety glasses with side shields or tight fitting goggles if dust is generated.

Skin and body protection: Wear long sleeved clothing and other suitable clothing to prevent skin exposure.

Respiratory protection: Respiratory protection should be worn when there is potential to exceed the exposure limit requirements or guidelines. A NIOSH approved dust respirator if dust level is above the threshold limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and properties:

Physical state:	Solid granule	Flammability:	Not flammable
Color:	Green	Flash point:	Not applicable
Odor:	Almost odorless	Explosive limit (upper):	Not applicable
Odor threshold:	Not applicable	Explosive limit (lower):	Not applicable
Boiling point:	Not applicable	Auto ignition temp:	Not applicable
Melting point:	Not applicable	Decomposition temp:	No data available
Freezing point:	Not applicable	Partition coefficient:	No data available
Vapor pressure:	Not applicable	Viscosity, kinematic:	Not applicable
Vapor density:	Not applicable	Viscosity, dynamic:	Not applicable
pH:	No data available	Specific gravity:	No data available
Bulk density:	No data available	Solubility:	Soluble in water
Evaporation rate:	Not applicable		

Other information: No further information available.

10. STABILITY AND REACTIVITY

Reactivity: The product is non-reactive under normal conditions of use and storage.

Chemical stability: The product is stable under normal ambient conditions.

Possibility of hazardous reactions: None.

Conditions to avoid: No further relevant information available.

Incompatible materials: Strong bases and strong acids.

Hazardous decomposition products: Ammonia. Nitrogen oxides. Potassium oxides. Sulfur oxides.

SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:	Inhalation Skin contact Eye contact Ingestion
Symptoms/injuries after skin contact:	Prolonged contact may cause skin irritation.
Symptoms/injuries after eye contact:	Dust may cause eye irritation.
Symptoms/injuries after inhalation:	High concentrations of dust may irritate the throat and respiratory system and cause coughing.
Symptoms/injuries after Ingestion:	
Acute toxicity :	Not classified.
Reproductive toxicity :	No relevant data found.
Specific Target Organ Toxicity-S E:	No relevant data found.
Specific Target Organ Toxicity-R E:	No relevant data found.
Carcinogenicity :	Not classified.
NTP (National Toxicology Program):	Not classified.
IARC (International Agency for Research on Cancer):	Not classified.
ACGIH (American Conference of Governmental Industrial Hygienists):	Not classified.

12. ECOLOGICAL INFORMATION

Toxicity:	No testing data available.
Persistence and degradability:	No data is available on the degradability of this product.
Bioaccumulative potential:	No data available.
Mobility in soil:	Non-persistent when applied using normal agricultural practices.
Other adverse effects :	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste disposal recommendations:	Recycle excess product if at all possible or dispose the product as fertilizer. If contaminated with materials not suitable as use in fertilizer, dispose in an approved waste disposal site or landfill site capable of handling contaminated material.
Waste containers :	Do not use metal waste containers.
Reference to other sections:	See section 8 for exposure control information.

14. TRANSPORT INFORMATION

DOT:	Not regulated for transport
Classification for AIR transport (IATA/ICAO):	UN 2071 Ammonium Nitrate based fertilizer, CL 9, PG III
Transport by sea (IMDG)	
Transport document description (IMDG)	UN 2071 AMMONIUM NITRATE BASED FERTILIZER, 9, III
UN-No. (IMDG)	2071
Proper Shipping Name (IMDG)	AMMONIUM NITRATE BASED FERTILIZER
Class (IMDG)	9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	III - substances presenting low danger
Limited quantities (IMDG)	5 kg
Marine pollutant	No
EmS	F-H, S-Q

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or

SAFETY DATA SHEET

country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product is not known to contain substances identified by the State of California to cause cancer, birth defects or other reproductive harm, at levels which may require a warning under the statute.

16. OTHER INFORMATION

Date of preparation/issue date: May 25, 2022

Version: 4.0

H-0, F-1, I-0, SH-None

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information is designed only as guidance for safe handling, use, storage, transportation, and disposal, and is not to be considered a warranty (express, implied, merchantability or fitness for any particular purpose) or quality specification. The information relates only to the specific material designated therein.