Safety Data Sheet

Issue Date: 1-August-2018 **Revision Date:** 1-Aug-2018 **Version** 1

1. IDENTIFICATION

Product Identifier

Product Name Pro-Pell-It! Intrepid Trio 0-0-22

Recommended use of the chemical and restrictions on use

Recommended Use Crop nutrient.

Details of the supplier of the safety data sheet

Supplier Address
Marion Ag Service
18745 Butteville Rd.
Aurora, Or. 97002

For more information: www.marionag.com

Emergency Telephone Number

Company Phone Number 503-633-4562
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture
Classification (GHS-US)
This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Label Elements
GHS-US Labeling
Hazardous Pictograms (GHS-US)

Signal Word (GHS-US) : WARNING
Hazard Statements (GHS-US) : Eye Irritation: Can cause serious eye irritation.
Skin Irritation: Can cause mild skin irritation (especially in open wounds).
Respiratory Irritation: May cause respiratory irritation.
Ingestion: May be harmful if swallowed.

Precautionary Statements (GHS-US) : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Unknown Acute Toxicity
100% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	% by Weight
Potassium Magnesium Sulfate (Langbeinite)	14977-37-8	88-99.8
Sodium Chloride	7647-14-5	0.5-12

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact Rinse cautiously with water for several minutes. Flush with water, including under upper & lower lids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention/advice if pain and Irritation persists.

Skin Contact Wash thoroughly with water. Obtain medical advice/attention if irritation persists.

Inhalation If individual is experiencing respiratory discomfort or irritation. Remove to fresh air. If discomfort or irritation persists, get medical attention/advice.

Ingestion A large body load may cause vomiting, diarrhea, cramps, tingling in hands and feet, weak pulse, and circulatory disturbances. Administer water if patient is conscious. Ingesting will usually cause purging of the stomach by vomiting. Get Medical attention.

Most important symptoms and effects

Symptoms May cause irritation to the eyes, skin, gastrointestinal, and respiratory systems. Inhalation may aggravate respiratory problems.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unusual Fire and Explosion Hazards: When subjected to extremely high temperatures, it may release small quantities of chlorines gas.

Protective equipment and precautions for firefighters

Positive pressure, self-contained breathing apparatus is required for all firefighting activities involving hazardous materials. Full structural firefighting (bunker) gear is the minimum acceptable attire. The need for proximity, entry, flash-over and/or special chemical protective clothing (see Section 8) needs to be determined for each incident by a competent firefighting safety professional. Water used for fire suppression and cooling may become contaminated. Discharge to sewer system(s) or environment may be restricted, requiring containment and proper disposal of water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions

Sulfate of Potash Magnesia is highly soluble and can be quickly diluted below the toxic level by relatively large amounts of water. Sulfate of Potash Magnesia which has entered a small non-permanent pond should be removed by pumping the pond dry. If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the U.S., contact the US COAST GUARD NATIONAL RESPONSE CENTER toll free number, 800-424-8802. In case of accident or road spill notify: CHEMTREC IN USA AT 800-424-9300;
CANUTEC in Canada at 613-996-6666 CHEMTREC in other countries at (International code) +1-703-527-3887.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Sweep up and use as fertilizer of non-contaminated.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid generating dust by excessive or unnecessary movement. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Protect container from physical damage.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep away from heat, sparks, and flame. Avoid contact with aluminum or carbon steel to minimize corrosion. Keep out of the reach of children.

Incompatible Materials Aluminum or carbon steel

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Refer to 29 CFR 1910.133 for eye and face protection regulations. Safety glasses with side shields or chemical goggles.

Skin and Body Protection Refer to 29 CFR 1910.138 for appropriate skin and body protection. Skin and body protection as required by employer code.

Respiratory Protection Refer to 29 CFR 1910.134 for respiratory protection requirements. Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Solid

Appearance	Crystalline to granular	**Odor**	None
Color	White to gray, pale pink	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	7-9 (in a 5% solution)	
Melting Point/Freezing Point	1700 degrees Fahrenheit	
Boiling Point/Boiling Range	1500 degrees Celsius (sublimates)	
Flash Point	Not Applicable	
Evaporation Rate	Not Applicable	
Flammability (Solid, Gas)	Not Applicable	
Upper Flammability Limits	Not Applicable	
Lower Flammability Limit	Not Applicable	
Vapor Pressure	Not Applicable	
Vapor Density	Not Applicable	
Specific Gravity	1.988 (H2O = 1)	
Water Solubility	Approximately 99.0% @ 77 degrees Fahrenheit	
Solubility in other solvents	Not Applicable	
Partition Coefficient	Not Applicable	
Auto-ignition Temperature	Not Applicable	
Decomposition Temperature	Not Applicable	
Kinematic Viscosity	Not Applicable	
Dynamic Viscosity	Not Applicable	
Explosive Properties	May form combustible dust mixtures with	
Oxidizing Properties	air. Not determined	
Bulk Density	2.81-2.85	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

See Sec. 7 Handling & Storage.

Incompatible Materials

Strong Oxidizing Agents, Strong Acids, and
Protect from Moisture

Hazardous Decomposition Products

Combustion can yield oxides of sulfur when
heated about 100 degrees Fahrenheit.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information Not available

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity
Not determined

Unknown Acute Toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information Not available

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility
Not determined

Stability in Water: When dissolved in water, sodium chloride creates an elevated level of salinity that maybe harmful to fresh water aquatic species and to plants that are not salt-tolerant.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations. Uncontaminated product may be used as fertilizer.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

15. REGULATORY INFORMATION

UNITED STATES:

SARA Hazard Category: This product has been reviewed according to the EPA Hazard Categories promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire: No **Pressure Generating:** No **Reactivity:** No **Acute:** Yes **Chronic:** No

40 CFR Part 355 – Extremely Hazardous Substances:
40 CFR Part 370 – Hazardous Chemical Reporting:
All intentional ingredients listed on the TSCA inventory.

SARA Title III Information: This product contains the following substances subject to the reporting requirements of Title III(EPCRA) of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical	CAS No.	Percent by Weight	CERCLA RQ (lbs.)	SARA (1986) Reporting		
				311	312	313
Potassium Magnesium Sulfate (Langbeinite)	14977-37-8	88-99.8	NA	No	No	No
Sodium Chloride	7647-14-5	0.5-12	NA	No	No	No

CERCLA/Superfund, 40 CFR Parts 117,302:	If this product contains components subject to substances designated a **CERCLA Reportable Quantity (RQ) Substances,** it will be designated in the above table with the **RQ** value in pounds. If there is a release of **RQ Substance** to the environment, notification to the National Response Center, Washington D.C. (1-800-424-8802) is required.
TSCA:	Sodium Chloride is listed in the TSCA Inventory. Potassium Magnesium Sulfate (Langbeinite) is a naturally-occurring chemical substance processed only by mechanical means that is exempted from TSCA listing per 40 CFR, PART 710.26(d).
CANADA:	
WHMIS Hazard Symbol and Classification:	Not controlled
Ingredient Disclosure List:	This product does not contain ingredient(s) on this list
Environmental Protection:	All intentional ingredients are listed on the DSL (Domestic Substance List).

16. OTHER INFORMATION

NFPA Hazard Rating: **Health** 1 **Fire** 0 **Reactivity** 0 **Special Hazards**

0 = Insignificant **1 = Slight** **2 = Moderate** **3 = High** **4 = Extreme**

Comments: None

Section(s) changed since last revision: SDS is designed to comply with U.S. DOL: OSHA and MSHA HazCom standards in effect on the revision date.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials for the safety and health of employees, customers, and the environment. This hazard information is not a substitute for risk assessment under actual conditions of use. Users have the responsibility to keep currently informed on chemical hazard information, to design and update their own programs, and to comply with all applicable national, federal, state, and local laws and regulations regarding safety, occupational health, right to know, and environmental protection.

End of Safety Data Sheet