



Material Safety Data Sheet

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Section 1. Identification: Pro-Pell-IT!

Product Names:

- Fish Bone Meal Fertilizer 4 -2 0 - 0

Manufacturer/Supplier:

Marion Ag Service
7746 St Paul Hwy.NE
St. Paul, Oregon 97137

For more information call:

Toll Free: 1-888-814-5727
Tel. 503-633-4561
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For more information: www.marionag.com

Product Uses: Fertilizer

Section 2. Hazardous Ingredient & Composition

Component	CAS#	Component	CAS#
Fish Bone Meal	NA		

Section 3. Physical/Chemical Characteristics

Physical State:	Solid	Boiling Point:	Decomposes
Appearance:	Granular, powder or pellets	Vapor Pressure:	Not applicable
Color:	Light tan to medium brown	Solubility in Water:	Insoluble
Odor:	Organic and earthy	Melting point:	Decomposes
pH:	Not applicable	Evaporation rate:	Not applicable
Density:	38 - 40 lbs/cubic foot	Specific gravity:	Not applicable

Section 4. Hazard Identification

Emergency overview: Possible stomach disorders if taken orally, possible lung congestion if breathed.

Potential health effects:

Inhalation:	Avoid.
Eye contact	In case of dust or granule in the eyes, flush thoroughly with running water.
Skin Contact:	Wash thoroughly with soap and water.
Ingestion:	Give plenty of water to drink and provoke vomiting. If needed, call a doctor.
Medical Conditions aggravated by Exposure:	Inhalation of dust may aggravate asthma in susceptible individuals.

Section 5. First Aid

Inhalation:	In case of inhalation of fumes from overheating or combustion, move to fresh air. If needed, seek medical attention.
Eye contact:	In case of dust or granule in the eyes, flush thoroughly with running water.
Skin Contact:	Wash thoroughly with soap and water.
Ingestion:	Give plenty of water to drink and provoke vomiting. If needed, call a doctor

Section 6. Fire Fighting Measures

Flashpoint and Method:	N/A
Extinguishing Media:	Water, CO2, dry chemical foam
Explosion Hazard:	High airborne dust concentrations have the potential for explosion.
Fire Fighting Procedures:	Treat as class A
Fire Fighting Equipment:	Wear self-contained breathing apparatus to fight large fires.
Flammable Limits:	N/A

Section 7. Accidental Release

Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

Section 8. Handling and Storage

Handling:	See label. Wash hands with soap and water after handling product
Storage:	Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs, as well as household cleaning products.
Containers:	Avoid container breakage; keep away from sparks, flames and excessive heat.
Carcinogenity:	None known
Effects of Exposure:	Avoid inhalation or contact with skin, eyes, or clothing.
Ecological Information:	Keep out of lakes, streams or ponds.
Other Concerns:	Keep out of reach of children and pets.

Section 9. Exposure Controls and Personal Protection

Engineering Controls:	Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact. Running water should be available in case material gets in eyes.
Respiratory Protection:	If airborne dust levels are high or product does not remain intact, use a combination of engineering controls, such as ventilation, and personal protection, such as an approved respirator, to reduce exposures to acceptable levels.
Eyes and Face Protection:	Goggles Recommended Dust Mask with organic vapor filter.
Skin:	None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.
Other Protective Clothing or Equipment:	Normal work clothing
Work/Hygienic Practices:	Open wounds should be kept clean and suitably protected.

Section 10. Stability and Reactivity

Chemical Stability:	Stable
Hazardous polymerization:	No
Conditions to Avoid:	N/A
Hazardous Decomposition Products:	None Known
Incompatible Materials:	None Known

Section 11. Toxicological Information

Acute and Chronic Toxicity:	No data
Carcinogenicity, Teratogenicity, Mutagenicity, Reproductive Effects:	None known
General Comments	Possible nausea, skin or eye irritation. Inhalation of dust may aggravate asthma. Eye contact with product may cause irritation, flush eyes with water as soon as possible.

Section 12. Ecological Information

Persistence and Degradability:	Fertilizer granules are insoluble in water and biodegradable.
Aquatic Toxicity:	None Known

Section 13. Disposal Consideration

Disposal must be in accordance with Federal, State, and Local regulations.
Uncontaminated product may be reused as fertilizer.

Section 14. Transport Information

Department of Transportation (DOT): Not DOT regulated.

Section 15. Regulatory Information

Contact local authorities for proper disposal of large quantities of unused product.

Section 16. Other Information

These materials are made from natural products and may contain naturally occurring microorganisms. Proper precautions are advised to prevent infection of open wounds, inhalation of excessive amounts of dust and eye irritation. The proper hygiene practices necessary to prevent health hazards from any naturally occurring substance such as soil, bark, etc., should be observed.

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