

SAFETY DATA SHEET

pHyre

Section 1. Identification

Product Identifier: pHyre
Microbial Components: Paenibacillus polymyxa
Product Type: Liquid

Manufacturers Name, address: Pure Life Veganix
16211 N. Scottsdale Road
Suite A6A-195
Scottsdale, AZ 85254
Tel: 1-800-648-3426
Web: <http://purelifeveganix.com/>

Emergency Telephone number: 1-800-648-3426
Monday - Friday 8:00 am - 5:00 pm

Section 2. Hazards identification

OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the mixture or substance: Not classified

GHS label elements

Signal word: No signal word
Hazard statements: No known significant effects or critical hazards

Precautionary statements

Prevention: Not applicable

Response:	Not applicable
Storage:	Not applicable
Disposal:	Not applicable
Hazard not otherwise classified:	None known

Section 3. Composition/information on ingredients

Ingredients:	Bacteria culture (<0.01%) Humic Acid (<0.01%) Water (99.98%)
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CAS number/other identifiers

CAS number:	Not available
Product code:	Not available

Synonyms:	Microbial Inoculant
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Section 4. First aid measures

Description of necessary first aid measure

Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs
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Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
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Skin contact:	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
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Ingestion:	Wash out mouth with water. Get medical attention if symptoms occur.
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Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact:	No known significant effects or critical hazards.
Inhalation:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact:	No known significant effects or critical hazards.
Inhalation:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician:	Treat symptomatically
Specific treatment:	No specific treatment
Protection of first-aiders:	No special protection if required

See toxicological information (Section 11)

Section 5. Fire fighting measures

Extinguishing media

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known

Specific hazards arising from the chemical:	No specific fire or explosion hazard.
Hazardous thermal decomposition products:	No specific data.

Special protective equipment for fire-fighters:	No special measure are required.
Special protective equipment for	

Fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up:

Spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Spill area may become slippery, product will stain cloths, skin, masonry, concrete and wood.

Section 7. Handling and storage

Precautions for safe handling

Protective measure: Put on appropriate personal protective equipment (see Section 8).

Storage: Store out of direct sunlight and away from hot or cold extremes. Do not freeze. Do not use metal containers/pipes. Keep out of reach of children.

Keep containers sealed until ready for use.

Advice on general occupation hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully re-sealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control Parameters

Occupational exposure limits: None

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection:

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Not required under normal conditions of use.

Section 9. Physical and chemical properties

Appearance

Physical state:	Liquid
Color:	Black
Odor:	Light earthy
Odor threshold:	Not available
pH:	8.5
Melting point:	Not available
Boiling point:	212°F (100°C)
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Lower and upper explosive (flammable) limits:	Not available.
Vapor pressure:	Similar to water.
Vapor density:	17 mm @ 68°F
Relative density:	1.0 lb
Solubility:	Soluble in water
Partition coefficient: n-octanol/water:	Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

Section 10. Stability and reactivity

Stability: Stable

Conditions to avoid: None

Hazardous decomposition products: None, material is non-combustible

Hazardous polymerization: Will not occur

Incompatible materials: Will cause neutralization of acidic materials

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity: There is no data available.

Irritation/Corrosion: There is no data available.

Sensitization: There is no data available.

Mutagenicity: There is no data available.

Carcinogenicity: There is no data available.

Specific target organ toxicity
(single exposure): There is no data available.

Specific target organ toxicity
(repeated exposure): There is no data available.

Aspiration hazard There is no data available.

Information on the likely routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact:	No known significant effects or critical hazards.
Inhalation:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact:	No known significant effects or critical hazards.
Inhalation:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects:	No known significant effects or critical hazards.
Potential delayed effects:	No known significant effects or critical hazards.

Long term exposure

Potential immediate effects:	No known significant effects or critical hazards.
Potential delayed effects:	No known significant effects or critical hazards.

Potential chronic health effects

General:	No known significant effects or critical hazards.
Carcinogenicity:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.

Numerical measures of toxicity

<u>Acute toxicity estimates:</u>	There is no data available.
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Section 12. Ecological information

Toxicity There is no data available.

Persistence and degradability There is no data available.

Bioaccumulation potential There is no data available.

Mobility in soil

Soil/water partition coefficient (KOC) There is no data available.

Other adverse effects No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transportation information

This product is non-hazardous for transport according to the U.S. Department of Transportation Services

UN Number: Not required
Dangerous Goods Class: Non-hazardous This product is non-hazardous for

storage and transport according to the U.S. Department of Transportation Regulations.

pHyre requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

Section 15. Regulatory information

U.S. Federal regulations:	TSCA 8(a) CDR Exempt/Partial exemption:
Not determined United States inventory (TSCA 8b):	Not determined.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):	Not listed
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Clean Air Act Section 602 Class I Substances	Not listed
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Clean Air Act Section 602 Class II Substances	Not listed
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DEA List I Chemicals (Precursor Chemicals)	Not listed
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DEA List II Chemicals (Essential Chemicals)	Not listed
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SARA 302/304

<u>Composition/information on ingredients</u>	No products were found
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SARA 304 RQ	Not applicable.
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SARA 311/312

Classification	Not applicable.
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SARA 313

There is no data available

State regulations

Massachusetts:	None of the components are listed.
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New York:	None of the components are listed.
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New Jersey:	None of the components are listed.
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Pennsylvania:	None of the components are listed.
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<u>California Prop 65</u>	No products were found
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Section 16. Other information

Procedure used to derive the classification

Classification	Justification
Not classified	

History

Date of issue:	8/18/2018
Version:	1
Prepared by:	HyKreations, L.L.C.

Notice to reader

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