

SAFETY DATA SHEETS

This SDS packet was issued with item:

070360040

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

070370040 070566737 076306005 076306013 076306021 076306039 076306104 076306112

1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|---------------------------------|---|
| Product Name | Bio-Pure Evacuation System Cleaner (Powder) |
| Manufacturer Information | Bio-Pure Products, Inc. P.O. Box 2230 Minden, NV 89423 USA (+1) 775-265-1515 |
| Email Address | admin@biopureproducts.com |
| URL | www.biopureproducts.com |
| Emergency Telephone | Call Bio-Pure Products, Inc. – Toll Free: (+1) 888.596-6546 |
| Recommended Use | Drain Waste Management. Not for human consumption |

2. HAZARDS IDENTIFICATION

| | |
|--------------------------------------|--|
| Eyes | May cause irritation |
| Skin | May cause slight irritation |
| Inhalation | Inhalation of dust in high concentrations may cause irritation of respiratory system |
| Ingestion | Non-toxic by ingestion |
| Physical and chemical hazards | Possible explosive dust hazard typical of fine-powder organic substances. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Powdered Microbial-Cultures and Enzymes

| Chemical Name | CAS No. | % Composition | OSHA – PEL | ACGIH – TLV-TWA |
|--|--------------|---------------|---------------------|---------------------|
| Whey (as nuisance dust, Total) | 92129-90-3 | >90% | 15mg/m ³ | 10mg/m ³ |
| Hydrated Silicon Dioxide (as nuisance dust, Total) | 7631-86-9 | <1% | 15mg/m ³ | 10mg/m ³ |
| Freeze-dried Microbial Cultures and Enzymes | Trade Secret | Trade Secret | Not Listed | Not Listed |
| | | | | |

Exact percentages of ingredients, microbial species, and enzyme types are withheld in order to protect trade secrets.

SAFETY DATA SHEET

4. FIRST-AID MEASURES

| | |
|---------------------------|--|
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes. If irritation persists, consult a physician. |
| Skin contact | Wash off immediately with plenty of water. If irritation persists, consult a physician. |
| Inhalation | If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritations or distress continues. |
| Ingestion | Clean mouth with water and afterwards drink plenty of water. If symptoms persist, call a physician. |
| Notes to Physician | Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Flammable properties | Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| Suitable extinguishing methods | Use water-spray, fog, carbon-dioxide, foam, or dry chemical |
| Protective Equipment and Precautions for Firefighters | As in any fire, wear self-contained breathing apparatus with pressure demand and full protective gear. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment, and emergency procedures | Avoid contact with skin and eyes |
| Methods for containment | Prevent dust cloud |
| Methods for cleanup | Sweep or scoop into suitable container for disposal. Avoid dust formation. After product recovery, flush area with water. |

7. HANDLING AND STORAGE

| | |
|--|--|
| Precautions for safe handling | Avoid inhalation, ingestion, and contact with skin and eyes. |
| Conditions for safe storage, including any incompatibilities. | Store in original container. Keep container tightly closed. Check the Product Description for storage temperature. |
| Technical Measures/Precautions | This product may present a dust explosive hazard, minimize dust generation and accumulation. |

SAFETY DATA SHEET

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|--|---|
| Exposure Guidelines | OSHA PEL 15mg/m ³ ACGIH TLV 10mg/m ³ |
| Occupational Exposure Controls | |
| Engineering Measures | Ensure adequate ventilation. Local exhaust ventilation of dust at the point of generation. |
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practices. |
| Personal Protective Equipment (PPE) | |
| Eye/Face Protection | Tightly fitting safety goggles |
| Skin and Body Protection | Wear protective gloves/clothing |
| Respiratory Protection | No protective equipment needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation, appropriate respirator, or evacuation may be required. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------------|-------------------|---------------------------------|--------------------------------|
| Appearance | Off-white to tan | Odor | Dairy/fermentation product |
| Physical State | Powdered Solid | pH | 6 - 8 (mixed per instruction) |
| Melting/Freezing Point | Unknown | Boiling Point/Range | Unknown |
| Flash Point | Unknown | Evaporation Rate | Unknown |
| Flammability | Must be preheated | Explosion Limits | Unknown |
| Vapor Pressure | Unknown | Density | 0.80g/cm ³ , tapped |
| Water Solubility | Very Soluble | Autoignition Temperature | Unknown |
| Decomposition Temperature | Unknown | | |

10. STABILITY AND REACTIVITY

| | |
|---------------------------------|--|
| Reactivity | Avoid contact with strong oxidizers |
| Chemical Stability | Stable |
| Hazardous Polymerization | Will not occur |
| Hazardous Decomposition | Combustion results in carbon monoxide and carbon dioxide |
| Conditions to Avoid | Avoid dust formation, heat, flames, and sparks |

SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Acute Toxicity | |
| Oral | None Known |
| Dermal | None Known |
| Inhalation | No data available |
| Irritation | |
| Eye | Dust contact with the eyes can lead to mechanical irritation |
| Skin | Prolonged or repeated contact may dry skin or cause irritation. |
| Respiratory | Inhalation of dust in high concentrations may cause irritation of the respiratory system. |
| Ingestion | May cause temporary gastrointestinal discomfort |
| Sensitization | May cause sensitization of susceptible persons. |
| Effects of Short and Long-Term Exposure | No data available |
| Symptoms of Exposure | Possible irritation to eyes, skin, or respiratory system |
| NTP Report on Carcinogens / IARC Monographs | Not Listed |
| Potential OSHA Carcinogen | Not Listed |

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------------|---|
| Persistence and Degradability | No data available; readily biodegradable components and viable microorganisms |
| Eco Toxicological Information | No data available |
| Adverse effects | None Expected |

13. DISPOSAL CONSIDERATIONS

This material is not considered hazardous wastes according to Federal regulations (40-CFR-261). Consult local, regional, or state regulations for additional requirements.

14. TRANSPORT INFORMATION

Not classified as dangerous with respect to transport regulations

SAFETY DATA SHEET

15. REGULATORY INFORMATION

Hazard Rating

| HMIS | | | | | | | |
|----------|-------------------------------------|--------------|---|------------|-----------------|----------|---|
| Health | | Flammability | | Reactivity | | PPE | |
| 2 | Temporary or minor injury may occur | 1 | Must be preheated before ignition will occur. | 0 | Normally stable | E | Safety Glasses Gloves Dust Respirator |

U.S. Federal Regulations

| Chemical Name | SARA 313 – Threshold Values | CERCLA/SARA – Section 302 Extremely Hazardous |
|--------------------------------|-----------------------------|--|
| Freeze-dried Microbial Mixture | Not Listed | Not Listed |
| | | |

U.S. State Regulations

California – This product does not contain any Proposition 65 Chemicals

16. OTHER

| | |
|--|------------------|
| Issuing Date | 07 November 2017 |
| Revision Date | 07 November 2017 |
| The information presented herein has been compiled from sources considered to be dependable and is accurate at the date of publication to the best of Bio-Pure Products, Inc.'s knowledge. The information is designed only to be a guide for safe handling, use, processing, storage, transportation, disposal, and release of the product. Bio-Pure Products, Inc.'s makes no warranty whatsoever, expressed or implied, of merchantability or fitness for the particular purpose, regarding the accuracy of such data or the results to be obtained from the use thereof. Bio-Pure Products, Inc. assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks. | |
| END OF SDS | |

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2. HAZARDS IDENTIFICATION

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| Eyes | May cause irritation |
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| Inhalation | Inhalation of dust in high concentrations may cause irritation of respiratory system |
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| | |
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| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes. If irritation persists, consult a physician. |
| Skin contact | Wash off immediately with plenty of water. If irritation persists, consult a physician. |
| Inhalation | If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritations or distress continues. |
| Ingestion | Clean mouth with water and afterwards drink plenty of water. If symptoms persist, call a physician. |
| Notes to Physician | Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Flammable properties | Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| Suitable extinguishing methods | Use water-spray, fog, carbon-dioxide, foam, or dry chemical |
| Protective Equipment and Precautions for Firefighters | As in any fire, wear self-contained breathing apparatus with pressure demand and full protective gear. |

6. ACCIDENTAL RELEASE MEASURES

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|---|---|
| Personal precautions, protective equipment, and emergency procedures | Avoid contact with skin and eyes |
| Methods for containment | Prevent dust cloud |
| Methods for cleanup | Sweep or scoop into suitable container for disposal. Avoid dust formation. After product recovery, flush area with water. |

7. HANDLING AND STORAGE

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| Precautions for safe handling | Avoid inhalation, ingestion, and contact with skin and eyes. |
| Conditions for safe storage, including any incompatibilities. | Store in original container. Keep container tightly closed. Check the Product Description for storage temperature. |
| Technical Measures/Precautions | This product may present a dust explosive hazard, minimize dust generation and accumulation. |

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Exposure Guidelines | OSHA PEL 15mg/m ³ ACGIH TLV 10mg/m ³ |
| Occupational Exposure Controls | |
| Engineering Measures | Ensure adequate ventilation. Local exhaust ventilation of dust at the point of generation. |
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practices. |
| Personal Protective Equipment (PPE) | |
| Eye/Face Protection | Tightly fitting safety goggles |
| Skin and Body Protection | Wear protective gloves/clothing |
| Respiratory Protection | No protective equipment needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation, appropriate respirator, or evacuation may be required. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------------|-------------------|---------------------------------|--------------------------------|
| Appearance | Off-white to tan | Odor | Dairy/fermentation product |
| Physical State | Powdered Solid | pH | 5.5-6.5 (10% solution) |
| Melting/Freezing Point | Unknown | Boiling Point/Range | Unknown |
| Flash Point | Unknown | Evaporation Rate | Unknown |
| Flammability | Must be preheated | Explosion Limits | Unknown |
| Vapor Pressure | Unknown | Density | 0.80g/cm ³ , tapped |
| Water Solubility | Very Soluble | Autoignition Temperature | Unknown |
| Decomposition Temperature | Unknown | | |

10. STABILITY AND REACTIVITY

| | |
|---------------------------------|--|
| Reactivity | Avoid contact with strong oxidizers |
| Chemical Stability | Stable |
| Hazardous Polymerization | Will not occur |
| Hazardous Decomposition | Combustion results in carbon monoxide and carbon dioxide |
| Conditions to Avoid | Avoid dust formation, heat, flames, and sparks |

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11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Acute Toxicity | |
| Oral | None Known |
| Dermal | None Known |
| Inhalation | No data available |
| Irritation | |
| Eye | Dust contact with the eyes can lead to mechanical irritation |
| Skin | Prolonged or repeated contact may dry skin or cause irritation. |
| Respiratory | Inhalation of dust in high concentrations may cause irritation of the respiratory system. |
| Ingestion | May cause temporary gastrointestinal discomfort |
| Sensitization | May cause sensitization of susceptible persons. |
| Effects of Short and Long-Term Exposure | No data available |
| Symptoms of Exposure | Possible irritation to eyes, skin, or respiratory system |
| NTP Report on Carcinogens / IARC Monographs | Not Listed |
| Potential OSHA Carcinogen | Not Listed |

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------------|---|
| Persistence and Degradability | No data available; readily biodegradable components and viable microorganisms |
| Eco Toxicological Information | No data available |
| Adverse effects | None Expected |

13. DISPOSAL CONSIDERATIONS

This material is not considered hazardous wastes according to Federal regulations (40-CFR-261). Consult local, regional, or state regulations for additional requirements.

14. TRANSPORT INFORMATION

Not classified as dangerous with respect to transport regulations

SAFETY DATA SHEET

15. REGULATORY INFORMATION

Hazard Rating

| HMIS | | | | | | | |
|----------|-------------------------------------|--------------|---|------------|-----------------|----------|---|
| Health | | Flammability | | Reactivity | | PPE | |
| 2 | Temporary or minor injury may occur | 1 | Must be preheated before ignition will occur. | 0 | Normally stable | E | Safety Glasses Gloves Dust Respirator |

U.S. Federal Regulations

| Chemical Name | SARA 313 – Threshold Values | CERCLA/SARA – Section 302 Extremely Hazardous |
|--------------------------------|-----------------------------|--|
| Freeze-dried Microbial Mixture | Not Listed | Not Listed |
| | | |

U.S. State Regulations

California – This product does not contain any Proposition 65 Chemicals

16. OTHER

| | |
|--|-------------------|
| Issuing Date | 05 January 2015 |
| Revision Date | 22 September 2014 |
| The information presented herein has been compiled from sources considered to be dependable and is accurate at the date of publication to the best of Bio-Pure Products, Inc.'s knowledge. The information is designed only to be a guide for safe handling, use, processing, storage, transportation, disposal, and release of the product. Bio-Pure Products, Inc.'s makes no warranty whatsoever, expressed or implied, of merchantability or fitness for the particular purpose, regarding the accuracy of such data or the results to be obtained from the use thereof. Bio-Pure Products, Inc. assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks. | |
| END OF SDS | |