

Safety Data Sheet

Material Name: Earth Juice Hi-Brix MFP

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Earth Juice Hi-Brix MFP

Synonyms

100209827, 100209828, 100209829, 100209830, 100209831, 100209832, 100209833

Product Use

Fertilizer

Restrictions on Use

No information available

Details of the supplier of the safety data sheet

OGM-Hydro Organics Wholesale, Inc.

295 Convair Avenue

Chico, CA 95973-9013

USA

E-mail: info@hydro-organics.com

General Information: 1-800-882-1231

Emergency: 1-800-305-1446

Transportation Emergency: CHEMTREC: 1-800-424-9300

Transportation Emergency: CHEMTREC: 1-703-527-3889 Outside US, collect calls accepted

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Acute Toxicity - Oral - Category 4

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 1

GHS Label Elements

Symbol(s)



Signal Word

Danger

Hazard Statement(s)

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

Precautionary Statement(s)

Prevention

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Response

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center/doctor.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTER or doctor.

Storage/Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Statement of Unknown Toxicity

92.38315% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
7664-38-2	Phosphoric acid	5-10
--	Other ingredients	90-100

Section 4 - FIRST AID MEASURES

Inhalation

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin

IF ON SKIN: Remove/take off all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs, call a POISON CENTER or doctor.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Give large amounts of water. Get medical advice/attention if you feel unwell.

Most Important Symptoms/Effects

Acute

Harmful if swallowed. Causes serious eye damage. Causes skin irritation.

Delayed

No information available

Note to Physicians

Treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use extinguishing agents appropriate for surrounding fire.

Unsuitable Extinguishing Media

Water may be ineffective.

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Special Hazards Arising from the Chemical

Fermentation may occur when diluted with water and is accelerated by heat when product is stored in very large unvented containers.

Hazardous Combustion Products

During fermentation, carbon monoxide with possible traces of ethanol or volatile fatty acids (e.g., acetic, propionic, lactic or butyric) is given off and can produce inhalation and explosion hazards.

Advice for firefighters

Wear suitable protective clothing.

Fire Fighting Measures

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid contact with eyes, skin and clothing. Wear personal protective clothing and equipment.

Methods and Materials for Containment and Cleaning Up

Stop leak if safe to do so. Collect with absorbent into suitable container. Dispose of in an approved landfill according to Federal, State, Provincial, and local regulations.

Environmental Precautions

Avoid release to the environment. Prevent entry into sewers, drains, ditches, underground or confined spaces and waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Observe good hygiene and safety practices when handling this product. Avoid contact with eyes, skin and clothing. Wear protective gloves/clothing and eye/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Store in a vented tank designed to contain material with a specific gravity of 1.3 or greater. Material can ferment if excessive moisture contamination is allowed.

Incompatible Materials

Reacts with acids: concentrated nitric acid, concentrated sulfuric acid.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Phosphoric acid	7664-38-2
ACGIH:	1 mg/m ³ TWA
	3 mg/m ³ STEL
NIOSH:	1 mg/m ³ TWA
	3 mg/m ³ STEL
	1000 mg/m ³ IDLH

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Europe:	1 mg/m ³ TWA
	2 mg/m ³ STEL
OSHA (US):	1 mg/m ³ TWA
Mexico:	1 mg/m ³ TWA LMPE-PPT
	3 mg/m ³ STEL [LMPE-CT]

EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures

There are no biological limit values for any of this product's components.

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

Engineering Controls

If exposure limits have not been established, maintain airborne levels to an acceptable level. Maintain eye wash fountain and quick-drench shower in work area.

Individual Protection Measures, such as Personal Protective Equipment



Eye/face protection

Wear appropriate safety glasses to prevent eye contact.

Skin Protection

Wear appropriate chemical resistant clothing.

Respiratory Protection

Respiratory protection is not required under normal conditions of use.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	thick syrup	Physical State	liquid
Odor	sweet	Color	dark brown
Odor Threshold	Not available	pH	2.9-3.1
Melting Point	Not available	Boiling Point	Not available
Boiling Point Range	Not available	Freezing point	Not available
Evaporation Rate	Not available	Flammability (solid, gas)	Not available
Autoignition Temperature	Not available	Flash Point	Not available
Lower Explosive Limit	Not available	Decomposition temperature	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	1.45

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Water Solubility	Soluble	Partition coefficient: n-octanol/water	Not available
Viscosity	Not available	Solubility (Other)	Not available
Density	Not available	VOC	0 %
Molecular Weight	Not available		

Section 10 - STABILITY AND REACTIVITY

Reactivity

Reacts with acids: concentrated nitric acid, concentrated sulfuric acid.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

Will not polymerize.

Conditions to Avoid

Avoid contact with moisture, heat. Avoid unventilated containers.

Incompatible Materials

Reacts with acids: concentrated nitric acid, concentrated sulfuric acid.

Hazardous decomposition products

Carbon monoxide, alcohol, volatile Fatty acid vapors.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Under normal conditions of use, no health effects are expected.

Skin Contact

Causes skin irritation.

Eye Contact

Causes serious eye damage.

Ingestion

Harmful if swallowed.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Phosphoric acid (7664-38-2)

Oral LD50 Rat 1530 mg/kg

Dermal LD50 Rabbit 2740 mg/kg

Inhalation LC50 Rat >850 mg/m³ 1 h

Immediate Effects

Harmful if swallowed. Causes serious eye damage. Causes skin irritation.

Delayed Effects

No information on significant adverse effects.

Irritation/Corrosivity Data

Causes serious eye damage. Test results conclude this material causes skin irritation and is not corrosive to skin.

Respiratory Sensitization

No information on significant adverse effects.

Dermal Sensitization

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No information on significant adverse effects.

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

Germ Cell Mutagenicity

No information on significant adverse effects.

Tumorigenic Data

No information on significant adverse effects.

Reproductive Toxicity

No information on significant adverse effects.

Specific Target Organ Toxicity - Single Exposure

No target organs identified

Specific Target Organ Toxicity - Repeated Exposure

No target organs identified

Aspiration hazard

No information on significant adverse effects.

Medical Conditions Aggravated by Exposure

No information on significant adverse effects.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Releases to water can result in high Biological Oxygen Demand and potential oxygen depletion of aquatic systems.

Persistence and Degradability

No information available

Bioaccumulative Potential

No information available

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

This product, if discarded, is not expected to be a characteristic or listed hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

Test results conclude this material is not corrosive to skin.

UN/NA #: Not regulated

IATA Information:

UN#: Not regulated

ICAO Information:

UN#: Not regulated

IMDG Information:

UN#: Not regulated

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

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This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Phosphoric acid	7664-38-2
CERCLA:	5000 lb final RQ ; 2270 kg final RQ

SARA Section 311/312 (40 CFR 370 Subparts B and C)

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

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Phosphoric acid	7664-38-2	Yes	Yes	Yes	Yes	Yes

Not listed under California Proposition 65

International Inventories

US

Complies with TSCA

Canada

All components are listed either on the DSL or NDSL

Section 16 - OTHER INFORMATION

HMIS Rating

Health: 1 Fire: 0 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

NFPA Ratings

Health: 1 Fire: 0 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

08/15/2018: Section 1 – Updated General Information Phone Number

12/19/2016: Changed skin classification based upon test results

Original Preparation Date:

05/06/2016

Other Information

Disclaimer:

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**