



Safety Data Sheet (SDS)

BIO-DEX LABORATOIRES,

Phosphate Remover + Enzyme

Revision Date: 10/01/19

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

BIO-DEX LABORATOIRES, LLC
4212 W. INNOVATION DR.
PHOENIX, AZ 85086

Contact: BIO-DEX LABORATOIRES, LLC
Phone: 800-617-3477 // 623-582-2400
Web: www.bio-dex.com

Product Name: Phosphate Remover + Enzyme
Revision Date: 10/01/2019
Version: 1

SDS Number: CAS
Number: Chemical MIXTURE
Family: Chemical Not considered hazardous
OSHA Hazard
Communication Standard
CFR Title 29 1910.1200

Formula: **PROPRIETARY**
Synonyms: Phosphate Removal with added Enzyme properties
Product Use: Removal of Phosphates and oils from Swimming Pool Water
Emergency Phone: (800) 424-9300 (CHEMTREC)

2 HAZARDS IDENTIFICATION

NFPA:
HMIS III:

Health = 1, Fire = 0, Reactivity = 0
H1/F0/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B I Safety Glasses, Gloves	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A	n	O	P
t	U	W	Y
		Z	
		Additional information	

GHS Signal Word:
DWARNING

GHS Hazard Pictograms:





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GHS Classifications:

- DHealth, Acute toxicity, 5 Oral
- DHealth, Skin corrosion/irritation, 2
- DHealth, Serious Eye Damage/Eye Irritation, 2 A

GHS Phrases:

- DH303 - May be harmful if swallowed
- DH315 - Causes skin irritation
- DH319 - Causes serious eye irritation

GHS Precautionary Statements:

- DP262 - Do not get in eyes, on skin, or on clothing.
- DP264 - Wash skin thoroughly after handling.
- DP270 - Do not eat, drink or smoke when using this product.
- DP301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- DP303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- DP305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- DP332+313 - If skin irritation occurs: Get medical advice/attention.
- DP337+313 - If eye irritation persists: Get medical advice/attention.
- DP362 - Take off contaminated clothing and wash before reuse.
- DP405 - Store locked up.
- DP501 - Dispose of contents/container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	I Percentage	I Chemical Name
N/A	100%	I Proprietary, non-hazardous, non-regulated

*The specific chemical identities of the ingredients of this mixture labeled as "Trade Secret" are considered to be proprietary and are withheld in accordance with the provisions of 29CFR1910.1200 Sect. (i) Trade Secrets.

4 FIRST AID MEASURES

- Inhalation:** If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Flush skin with large amounts of water. Remove any contaminated clothing and wash before reuse. Seek medical attention if irritation occurs.
- Eye Contact:** Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. If eye irritation persists, obtain medical attention.
- Ingestion:** Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Give 3-4 glasses of water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. Contact a Poison Control Center for advice. If symptoms develop and/or persist, obtain medical attention.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed:



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No data available.

5 FIRE FIGHTING MEASURES

Flammability: Not flammable
Flash Point: DNA
Flash Point Method: DNA
Burning Rate: No data available
Autoignition Temp: No data available
LEL: DNA
UEL: DNA

Extinguishing Media:

Water fog or fine spray
Carbon Dioxide
Alcohol-Resistant Foam
Dry Chemical

Advice for Firefighters:

As in any fire, firefighters should wear self contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Isolate area. Keep unnecessary personnel away. Keep out of low areas. Ventilate closed spaces before entering.

Environmental Precautions:

Prevent further release (leakage/spillage) if safe to do so.
Do not allow product to enter drains.
Do not allow to drain to environment.

Methods and Materials for Containments and Cleaning Up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Place contaminated material into suitable, closed containers for disposal.
Dispose of contaminated material according to Section 13.

After spillage has been collected, area may be flushed with water or wet-brushed. Ensure adequate ventilation.

Reference to Other Sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment. See Section 13 for information on proper disposal



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HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin and clothing. Keep containers closed when not in use. Wash hands thoroughly after handling.

Storage Requirements: Store this product below 120°F. Do not store in direct sunlight. Preferably a cool, dry, well ventilated area away from heat, sparks, flame and oxidizers. For best results use within 24 months.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection:

General:	Eye wash fountain is recommended
Skin protection:	Wear suitable protective clothing. Use impervious gloves.
Eyes:	Wear chemical goggles



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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, light yellow liquid	Odor:	Mild Character
Physical State:	Liquid	Molecular Formula:	MIXTURE
Particle Size:	Not determined	Solubility:	100%
Spec Grav./	~1.30 - 1.34 @ 77°F	Freezing	<32° F (0° C)
Density:	Same as water	Flash Point:	None
Viscosity:	Not determined	Vapor Density:	Same as water
Sat. Vap. Conc.:	Not determined	VOC:	Negligible
Boiling Point:	> 100.0 °C (212.0 °F)		
Flammability:	Not flammable		
Partition Coefficient:	Not determined		
Vapor Pressure:	>0.01 mm Hg @ 68 °F (20° C):		
pH:	3.3 - 3.9 @ 77° F (100°C)		
Evap. Rate:	(N-Butyl Acetate = 1): Not determined		
Molecular weight:	MIXTURE		
Decomp Temp:	Not determined		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	See section 7
Materials to Avoid:	Strong oxidizing agents, alkalis.
Hazardous Decomposition:	None known
Hazardous Polymerization:	Will not occur.



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11 TOXICOLOGICAL INFORMATION

Toxicology data : No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity: : Readily biodegradable

13 DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

14 TRANSPORT INFORMATION

General Information: Non-hazardous

DOT (US)

Non-regulated material, liquid

Proper Shipping Description: NMFC 48580.3 Cleaning/Scouring/Wash Comp

Class 55

IMDG

Non-regulated material, liquid

IATA

Non-regulated material, liquid



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15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Trade Secret (N/A 20.44%) NJHS, PA, SARA311/312, TSCA

REGULATORY KEY DESCRIPTIONS

NJHS = NJ Right-to-Know Hazardous Substances
PA = PA Right-To-Know List of Hazardous Substances
SARA311/312 = SARA 311/312 Toxic Chemicals
TSCA = Toxic Substances Control Act
MASS = MA Massachusetts Hazardous Substances List

16 OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that BIO-DEX LABORATORIOS, LLC. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of BIO-DEX LABORATORIOS, LLC's control, BIO-DEX LABORATORIOS, LLC. makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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