

Doc No: 931-HK083 Rev: B Date of Release: 23-Sep-2020

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

- a) GHS Product Identifier : Power Block™ Universal Blocking Reagent
- b) Other means of identification : Not available
- c) Product code : BS-1309-00, HK083-06X, HK083-10X, HK083-20K, HK083-5K, HK083-5KT, HK083-03K, HK083-05K, HK083-03KE, HK083-05KE, HK083-50K, HK083-YAK, HK085-5K, HK085-5KE, HX025-YAX, HX083-10X, HX083-10XE, HX083-50D, HX083-50DE, HX083-50X, HX083-YAD, HX083-YADE
- d) Recommended use of the chemical and restrictions on use : Restricted for professional users.
- e) Supplier's details (including name, address, phone number etc.) : BioGenex Laboratories, Inc
48810 Kato Road, Suite 100E & 200E
Fremont, CA 94538
- f) Emergency phone number : BioGenex: (01) (510) 275-0550
Chemtrec Assistance: (800) 424-9300 (U.S. and Canada only)
(01) (703) 527-3887 (all other countries)

2. HAZARD IDENTIFICATION

- a) GHS classification of the substance/mixture and any national or regional information:

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified

- b) GHS label elements, including precautionary statements :

Signal word : No Signal word

Hazard statements : No known significant effects or critical hazards.

Prevention : Not applicable.

Precautionary statements

Response : Not applicable

Storage : Not applicable.

Disposal : Not applicable

Hazardous ingredients : No hazardous ingredient

- c) Other hazards which do not result in the classification or are not covered by the GHS: Restricted to professional users.

None Known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

- a) Chemical identity : Mixture
- b) Common name, synonyms, etc : NDA

c) CAS number and other unique identifiers

Chemical Name	Synonyms	CAS No.	Percent	Einecs#
Potassium phosphate, Dibasic	Dipotassium salt	7758-11-4	<10	Unlisted
Casein sodium	Sodium caseinate	9005-45-3	<10	NDA
Sodium chloride	Common salt, Table salt	7647-14-5	<10	Unlisted

4. FIRST AID MEASURES

EYES: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do NOT allow victim to rub or keep eyes closed.

SKIN: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

INGESTION: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

INHALATION: Move the victim to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically and supportively. No specific antidote exists.

5. FIRE-FIGHTING MEASURES

- a) Suitable (and unsuitable) extinguishing media :
Use extinguishing media appropriate for the surrounding fire: dry chemical, foam, carbon dioxide or water. Water spray may be used to cool fire and/or protect response personnel.
- b) Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products):
The product itself does not burn. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Keep away from strong acids
- c) Special protective equipment and precautions for fire-fighters:
Firefighters should wear proper protective equipment and self-contained breathing apparatus (SCBA) if necessary.

6. ACCIDENTAL RELEASE MEASURES

- a) Personal precautions, protective equipment and emergency procedures:
Personal protective equipment and clothing is recommended during all cleanup procedures. Eliminate all ignition sources, stop or control leak. Refer to Section 8 for additional information on exposure controls and personal protective equipment.
- b) Environmental precautions:
Do not allow into any body of water. Check with local and State regulations before discharging into sewers or public landfills.
- c) Methods and materials for containment and cleaning up.
Avoid physical contact during removal. An approved respirator is recommended when irritant or nuisance vapors are produced. Flood area with water immediately. Control spill with wetted paper towels and isolate material. Place in a closed container and hold for waste disposal. Make sure towels or absorbent materials remain wet while waiting for chemical waste pick-up. Ventilate area and wash spill

site after material pickup is complete. Refer to Section 13 for complete disposal information.

7. HANDLING AND STORAGE

- a) Precautions for safe handling:
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation.
Avoid contact with skin, eyes, and clothing. Eliminate all sources of ignition. Avoid eating, drinking and smoking when using the product.
- b) Conditions for safe storage, including any incompatibilities:
Keep container in a tightly closed in a ventilated area. The recommended storage temperature is 2-8°C. Keep away from heat, sparks and open flame. Keep separate from food, feedstuffs, fertilizers and other sensitive material. Do not store in direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Provide adequate general and local exhaust ventilation. Ensure compliance with applicable exposure limits.

Personal Protective Equipment

Eyes: Wear safety goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: None required where adequate ventilation conditions exist.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	: NDA	VAPOR PRESSURE (MM HG):	NDA
VAPOR DENSITY (AIR=1)	: NDA	MELTING POINT	: NDA
SPECIFIC GRAVITY	: NDA	SOLUBILITY (H2O)	: NDA
APPEARANCE & ODOR	: Liquid & Odorless		

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

CONDITIONS TO AVOID: Strong acids, strong bases, and strong oxidizing agents

DECOMPOSITION: Oxides of phosphorus, carbon monoxide, carbon dioxide, arsenic oxides.

HAZARDOUS POLYMERIZATION: None reported.

11. TOXICOLOGICAL INFORMATION

- a) Information on the likely routes of exposure: Eyes, Oral, Dermal, Inhalation

b) Symptoms related to the physical, chemical and toxicological characteristics:

INHALATION: May cause respiratory tract irritation.

INGESTION: May cause nausea, vomiting, headaches, dizziness, and gastrointestinal irritation.

SKIN CONTACT: May cause skin irritation. May be fatal if absorbed through skin.

EYE CONTACT: May cause eye irritation

TARGET ORGANS: NDA

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

NDA

d) Numerical measures of toxicity (such as acute toxicity estimates)

TOXICITY DATA

CAS#	RTECS	LD50	CARCINOGENICITY				
			ACGIH	IARC	NIOSH	NTP	OSHA
7647-14-5	VZ4725000	Oral Mouse = 4 gm/kg Oral rat = 3 gm/kg	No	No	No	No	No
7758-11-4	Unlisted	NDA	No	No	No	No	No
9005-45-3	NDA	NDA	NDA	NDA	NDA	NDA	NDA

12. ECOLOGICAL INFORMATION

- a) Ecotoxicity (aquatic and terrestrial, where available): NDA
b) Persistence and degradability : NDA
c) Bioaccumulative potential : NDA
d) Mobility in the soil : NDA
e) Other adverse effects : NDA

13. DISPOSAL INFORMATION

Description of waste residues and information on the their safe handling and methods of disposal, including the disposal of any contaminated packaging.

Dispose in accordance with all applicable federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

ADR/RID / IMDG / IATA : Not regulated.

15. REGULATORY INFORMATION

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Other EU regulations

Europe inventory : All components are listed or exempted

16. Other information including information on preparation and revision of the SDS

Key abbreviations:

N/A	: Not Applicable
NDA	: No data available

Notice to reader

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