

BioGenex

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 support@biogenex.com

Material Safety Data Sheet

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1. CHEMICAL IDENTIFICATION/COMPANY

Product Name: SUPER SENSITIVE™ Wash Buffer Catalog No.: HK583-5K, HK583-5KE, HK583-XIK, HK583-YAK, HX017-YIK, HX020-YIK

Manufacturer: BioGenex Laboratories, Inc.
 49026 Milmont Drive, Fremont, CA 94538, USA
 Information: Tel: +1 (800) 421-4149 Fax: +1 (510) 824-1490

Emergency Contact: BioGenex: +1 (800) 421-4149
 Chemtrec Assistance: (800) 424-9300 (U.S. only)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Part No.	Description of Component	Formula
HK583	SUPER SENSITIVE™ Wash Buffer, 20X, Concentrated	Mixture
HX017-YIK	X-Wash	Mixture
HX020-YIK	IHC Wash Buffer	Mixture

3. HAZARDS IDENTIFICATION

Part No.	Chemical Name	Synonyms	CAS No.	Percent	Einecs#
HK583, HX017 & HX020	Sodium chloride	Common salt, Table salt	7647-14-5	<50	Unlisted
	Potassium phosphate, Dibasic, Anhydrous	Dipotassium salt	7758-11-4	<10	Unlisted
	Brij 35	Polyoxyethylene lauryl ether	9002-92-0	<10	Unlisted

EXPOSURE LIMITS

CAS No.	OSHA PEL	ACGIH TLV	NIOSH	OTHER
7647-14-5	NDA	NDA	NDA	None
7758-11-4	NDA	NDA	NDA	None
9002-92-0	NDA	NDA	NDA	None

4. FIRST AID MEASURES

Get medical aid immediately.

EYES: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.

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: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.

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.

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5. FIRE-FIGHTING MEASURES

FLASH POINT: NDA

FLAMMABLE LIMITS: NDA

FIRE AND EXPLOSION HAZARD: Unknown fire and explosion hazard.

FIREFIGHTING MEDIA: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For larger fires, use water spray, fog or alcohol foam. Use agents suitable for type of surrounding fire.

FIREFIGHTING MEASURES: Firefighters should wear proper protective equipment and self-contained breathing apparatus (SCBA) with full facepiece operated in positive pressure mode. Move container from fire area if possible. Do not scatter spilled material with more water than needed for fire control. Dike fire control water for later disposal. Avoid breathing hazardous vapors; keep upwind.

TOXIC GASES PRODUCED: NDA

6. ACCIDENTAL RELEASE MEASURES

Wear self-contained breathing apparatus (SCBA) and full protective clothing. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite and place in closed containers for disposal. Flush spill area with water.

7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation.

STORAGE: Observe all federal, state and local regulations when storing or disposing of this substance.

SAF-T-DATA(TM) STORAGE COLOR CODE: ORANGE (GENERAL STORAGE)
Store refrigerated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Provide local exhaust or process enclosure ventilation system to meet all federal, state, and local requirements.

RESPIRATOR: None required where adequate ventilation conditions exist.

EYE/SKIN PROTECTION: Wear safety goggles and appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged eye/skin contact with this substance.

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

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

CONDITIONS TO AVOID: High temperatures, oxidizing agents. Reacts with most nonnoble metals such as iron or steel, building materials (such as cement), bromine, or trifluoride. Potentially explosive reaction with dichloromaleic anhydride + urea. Electrolysis of mixtures with nitrogen compounds may form explosive nitrogen trichloride. May violently react with strong acids.

DECOMPOSITION: Toxic fumes of sodium oxide, oxides of phosphorus, carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: None reported.

11. TOXICOLOGICAL INFORMATION

INHALATION: May cause respiratory tract irritation.

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: May cause skin irritation. May be absorbed through the skin. Skin absorption may cause unconsciousness.

INGESTION: May cause irritation of the digestive tract. Ingestion of large amounts may cause nausea, vomiting, rigidity, or convulsions.

CHRONIC: No chronic effects were documented.

TARGET ORGANS: None identified

ROUTES OF ENTRY: None indicated

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The toxicological properties have not been thoroughly investigated.

Toxicity data

CAS#	RTECS	LD50	CARCINOGENICITY					
			ACGIH	IARC	NIOSH	NTP	OSHA	Other
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	
9002-92-0	JR5960000	Oral mouse = 4.94 gm/kg	NDA	NDA	NDA	NDA	NDA	
	JR5970000	Oral rat = 8.6 gm/kg						
	JR5990000							
	MC9610000							
	MC9611000							
	MD0875000							

Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. Consult the actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.
 Environmental Fate: No information available.
 Physical/Chemical: No information available.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable federal, state, and local environmental regulations.
 Not listed as a material banned from land disposal according to RCRA.

14. TRANSPORT INFORMATION

US DOT: No information available
 IMO: No information available.
 IATA: No information available.
 RID/ADR: No information available.
 Canadian TDG: No information available.

15. REGULATORY INFORMATION

No information available.

16. MISCELLANEOUS INFORMATION

No additional information available.

N/A: Not Applicable NDA: No Data Available

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