

Doc No: 931-HK974 Rev: B Date of Release: 05-Apr-2022

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

- a) GHS Product Identifier : SSC Wash Buffer (2X)
- b) Other means of identification : Not available
- c) Product code : HK974-5K, HK974-XAK
- 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:

PART NO.	CHEMICAL NAME	SYNONYMS	CAS NO.	PERCENT	EINECS#
HK974	Sodium Citrate	2-Hydroxy- 1,2,3-Propanetricarboxylic Acid Trisodium Salt	68-04-2	<10	200-675-3
	Sodium Chloride	Common salt Halite; Rock salt; Saline; Salt; Sea salt; Table salt	7647-14-5	<20	231-598-3
	Proclin 300 (Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one)	Bio-perge	26172-55-4 2682-20-4	0.1	247-500-7 220-239-6
	NP40 Alternative	Nonylphenyl Polyethylene Glycol	9016-45-9	1	Not listed

- b) GHS label elements, including precautionary statements :

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LABELLING:

**SIGNAL WORD:** DANGER

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

EXPOSURE LIMITS

CAS No.	OSHA PEL	ACGIH TLV	NIOSH	OTHER
68-04-2	NDA	NDA	NDA	NDA
7647-14-5	NDA	NDA	NDA	NDA
26172-55-4	NDA	NDA	NDA	NDA
2682-20-4	NDA	NDA	NDA	NDA
9016-45-9	NDA	NDA	NDA	NDA

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

- a) Chemical identity : Mixture
- b) Common name, synonyms, etc : NDA
- c) CAS number and other unique identifiers

PART No.	DESCRIPTION OF COMPONENT	FORMULA
HK974	SSC Wash Buffer (2X)	Mixture

4. FIRST AID MEASURES

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EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

SKIN: Remove victim to nearest source of water. Remove contaminated clothing, blot excess chemical from skin and wash affected area under

lukewarm water using a mild soap. Rinse for at least 20 minutes and blot dry. Seek immediate medical attention.

INGESTION: Remove victim to well-ventilated area and clean mouth with water. Seek immediate medical attention.

INHALATION: Remove victim to well-ventilated area. Seek medical attention. If conscious but coughing or short of breath, loosen tight fitting clothing, have victim lie down and keep warm and calm. Oxygen may be given. If simply overwhelmed, loosen tight clothing, lie victim down, monitor pulse and keep warm and calm.

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.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid inhalation of toxic fumes. If possible, safely move container away from fire area.

SPECIFIC HAZARDS: NDA

PROTECTIVE MEASURES IN FIRE: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

5. FIRE-FIGHTING MEASURES

HK974

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.

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

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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

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- 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.
- 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Engineering Controls:

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

Personal Protective Equipment

Eyes: Splash-proof chemical safety goggles or face shield.

Skin: Use chemically resistant gloves (e.g. rubber, plastic), lab coat with sleeves or rubber apron.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT : NDA

VAPOR PRESSURE (MM HG): NDA

VAPOR DENSITY (AIR=1): NDA

MELTING POINT: NDA

SPECIFIC GRAVITY : NDA

SOLUBILITY (H₂O): NDA

APPEARANCE & ODOR : Yellow, Solid

10. STABILITY AND REACTIVITY

HK974 STABILITY: NDA.

CONDITIONS TO AVOID: NDA

DECOMPOSITION: NDA

HAZARDOUS POLYMERIZATION: NDA

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:

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EYE CONTACT: May cause irritation
SKIN CONTACT: May be harmful and might cause irritation.
INGESTION: Maybe harmful if ingested.
INHALATION: May cause irritation of the respiratory.
CHRONIC: 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)

CAS#	RTECS	LD50	ACGIH	IARC	NIOSH	NTP	OSHA	OTHER
68-04-2	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
7647-14-5	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
26172-55-4	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
2682-20-4	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
9016-45-9	AX0247000	ORAL (LD50): Acute: 4000 mg/kg [Rat].						

12. ECOLOGICAL INFORMATION

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- 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

US DOT: Non-Regulated

IMO: No information available.

IATA: No information available.

RID/ADR: No information available.

Canadian TDG: No information available.

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

Key abbreviations:

N/A

: Not Applicable

NDA

: No data available

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