



RayBiotech, Inc.

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Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code: 101-11702

Product name: Mouse anti-human SUPT5H

Contact manufacturer

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2. COMPOSITION, INFORMATION ON INGREDIENTS

Product Name: Mouse anti-human SUPT5H

1x PBS Composition:

CAS#	Chemical Name	Percent (w/v)	EINECS/ELINCS
7647-14-5	Sodium Chloride (NaCl)	8.0%	231-598-3
7558-79-4	Sodium phosphate, dibasic (Na ₂ HPO ₄)	0.6%	231-448-7
7778-77-0	Potassium phosphate, Monobasic (KH ₂ PO ₄)	0.2%	231-913-4
7447-40-7	Potassium chloride (KCl)	0.2%	231-211-8
7732-18-5	Water (H ₂ O)	~ 91%	231-791-2

3. HAZARDS IDENTIFICATION

Physical State and Appearance

Supplied as liquid solution containing PBS, without preservative stabilizers, such as sodium azide.

Emergency Overview

CAUTION!

May Cause eye and skin irritation.

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Routes of Entry

Absorbed through skin.

Eye contact



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Potential Acute Health Effects:

Eyes: Hazardous in case of eye contact (irritant).

Skin: Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation: No information available

Ingestion: No information available

Potential Chronic Health Effects

Carcinogenic effects No information available

Mutagenic effects No information available

Reproductive toxicity No information available

Sensitization No information available

Target Organ Effects No information available

Hazardous Material Information System (USA)

Health: 2

Flammability: 0

Reactivity: 0

4. FIRST AID MEASURES

Skin contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Notes to physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry Chemical

Protective clothing for firefighters: Be sure to use an approved/certified respirator or equivalent.



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment

Methods for cleaning up: Vacuum, sweep, or absorb material into a suitable disposal container. Clean up spills immediately, avoid dusty conditions, and ensure adequate ventilation.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash after handling.

Storage: Keep in properly labeled tightly closed container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory: In case of insufficient ventilation wear suitable respiratory equipment

Hands: Protective gloves

Eye protection: Safety glasses with side-shields (splash goggles)

Skin and body protection: Laboratory coat

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: Prevent product from entering drains

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form: Liquid solution.

pH: 7.0 +/- 0.5

Important Health Safety and Environmental Information

Boiling point/range: °C No data available, °F No data available

Melting point/range: °C No data available, °F No data available

Flash point: °C No data available, °F No data available

Autoignition temperature: °C No data available, °F No data available

Oxidizing properties: No information available



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10. STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility with various substances: Potassium chloride is incompatible with potassium permanganate. Sodium chloride is incompatible with dichloromaleic anhydride + urea, lithium, and nitrogen compounds. Potassium phosphate dibasic and monobasic may react violently with strong acids.

Hazardous decomposition products: No information available

Hazardous polymerization: Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Toxicity to Animals: Not available, LD50: Not available, LC50: Not available

Chronic Effects on Humans: Not available

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant)

Special Remarks on Other Toxic Effects on Humans: To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: No information available.

Mobility: No information available.

Biodegradation: Inherently biodegradable.

Bioaccumulation: Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Waste Information: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult with your local or regional authorities.

14. TRANSPORT INFORMATION

IATA

Proper shipping name: Not classified as dangerous in the meaning of transport regulations

Hazard Class: No information available

Subsidiary Class: No information available

Packing group: No information available

UN-No: No information available



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15. REGULATORY INFORMATION

International Inventories

U.S. Federal Regulations

TSCA

- CAS# 7647-14-5 is listed on the TSCA inventory.
- CAS# 7558-79-4 is listed on the TSCA inventory.
- CAS# 7778-77-0 is listed on the TSCA inventory.
- CAS# 7447-40-7 is listed on the TSCA inventory.

Health & Safety Reporting List

- None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

- None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

- None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

- None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

- CAS# 7558-79-4: 5000 lb final RQ; 2270 kg final RQ

SARA Section 302 Extremely Hazardous Substances

- None of the chemicals in this product have a TPQ.

SARA Codes

- CAS # 7647-14-5: immediate.
- CAS # 7778-77-0: immediate.
- CAS # 7447-40-7: immediate.

Section 313

- This material contains Potassium chloride (listed as Water Dissociable Nitrate Compounds), ~2.0%, (CAS# 7447-40-7) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

- This material does not contain any hazardous air pollutants.
- This material does not contain any Class 1 Ozone depleters.
- This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

- CAS# 7558-79-4 is listed as a Hazardous Substance under the CWA.
- None of the chemicals in this product are listed as Priority Pollutants under the CWA.
- None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

- None of the chemicals in this product are considered highly hazardous by OSHA.



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STATE

- CAS# 7647-14-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.
- CAS# 7558-79-4 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.
- CAS# 7778-77-0 is not present on state lists from CA, PA, MN, MA, FL, or NJ.
- CAS# 7447-40-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

- European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

- CAS# 7647-14-5: 0
- CAS# 7558-79-4: 1
- CAS# 7778-77-0: 1
- CAS# 7447-40-7: 1

Canada - DSL/NDSL

- CAS# 7647-14-5 is listed on Canada's DSL List.
- CAS# 7558-79-4 is listed on Canada's DSL List.
- CAS# 7778-77-0 is listed on Canada's DSL List.
- CAS# 7447-40-7 is listed on Canada's DSL List.

Canada – WHMIS

- Not available

16. OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since RayBiotech, Inc. cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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End of Safety Data Sheet