
Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code: 230-01103

Product name: Recombinant SARS-CoV-2 Spike Protein, S2 Subunit

Contact manufacturer

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Norcross, GA 30092
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2. COMPOSITION, INFORMATION ON INGREDIENTS

Name: product contains 50 mM Na₂HPO₄ (pH 7.4), 0.5 M NaCl, 450 mM imidazole, 6 M urea.

CAS#: N/A

Exposure Limits: Not available

3. HAZARDS IDENTIFICATION

Physical State and Appearance

Clear liquid

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

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: 1

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment

Methods for cleaning up: Absorb with an inert material and put the spilled material in an appropriate waste disposal

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

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

10. STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility with various substances: No information available

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

15. REGULATORY INFORMATION

International Inventories

U.S. Federal Regulations

SARA 313: Not regulated

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):

This product contains the following HAPs:

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

WHMIS Hazard Class: Not controlled under WHMIS (Canada)

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

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.

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End of Safety Data Sheet