

3607 Parkway Lane, Suite 200 Peachtree Corners, GA 30092 www.RayBiotech.com | info@raybiotech.com 770-729-2992 | 1-888-494-8555 ISO 13485:2016 cGMP

Recombinant Human CNTF Protein

Catalog Number: 230-01211

Safety Data Sheet

Last Revised: 11/12/2024

Identification

Usage

This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

Supplier Identification

Company RayBiotech, Inc.

3607 Parkway Lane, Suite 100 Peachtree Corners, GA 30092

USA

Telephone 1-888-494-8555 (Toll Free); 770-729-2992

Emergency Phone 1-888-494-8555

Fax 770-206-2393

Website www.RayBiotech.com

Email info@raybiotech.com

Hazards Identification

Hazardous Ingredients

There are no hazardous components in this product.

OSHA/HCS Status

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label Elements

Hazard Pictograms Not applicable.

Hazard Statements Not applicable.

For Research Use Only Page 1 of 7

Response

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 Rinse mouth.
- EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- SKIN CONTACT: Take off immediately all contaminated clothing. Rinse skin with water/shower.
- INHALATION: Move to an outside area and breath fresh air. Clear the nose by blowing.

Storage Not applicable.

Disposal Not applicable.

Hazards Not Otherwise Classified

None known.

Composition/Information on Ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

First-Aid Measures

Description of Necessary First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10

minutes. Get medical attention if irritation occurs.

Skin Contact Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur. Wash clothing and clean shoes

before reuse.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it

is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If

necessary, call a poison center or physician. If unconscious, place in recovery

position and get medical attention immediately. Maintain an open airway. Loosen tight

clothing such as a collar, tie, belt or waistband.

For Research Use Only Page 2 of 7

Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Over-Exposure Signs/Symptoms

No specific data.

Notes to Physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments

No specific treatment.

Protection of First-Aiders

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Fire Fighting Measures

Extinguishing MediaUse an extiguishing agent suitable for the surrounding fire, such as water spray,

carbon dioxide, dry chemical power or appropriate foam. Prevent contact with skin $\,$

and eyes.

Chemical Hazards from

Fire

In a fire or if heated, a pressure increase will occur and the component containers

may burst.

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is

inadequate. Put on appropriate personal protective equipment.

For Research Use Only Page 3 of 7

For Emergency Responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the

information in "For Non-Emergency Personnel" above.

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Protective Equipment

Wear respirator, chemical safety goggles, rubber boots and rubber gloves.

Methods and Materials for Containment and Cleaning Up

Small Spill Stop leak if without risk. Move con

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a

licensed waste disposal contractor.

Large Spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Storage and Handling

Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the liquid protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store at -20°C or -80°C in appropriate aliquots.
- Generally, the shelf life is up to 6 months from the date of receipt at -20°C or -80°C under sterile conditions.

Handling

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

Exposure Controls/Personal Protection

Permissible Exposure Limits (PELs)

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls

Showers, eyewash stations, and ventilation systems.

For Research Use Only Page 4 of 7

Protective Equipment

Wear suitable protective clothing, including gloves, safety glasses, dust mask, and a laboratory coat.

Special Precautions

Not for human, drug, or household use.

Physical and Chemical Properties

Appearance Clear, colorless

Odor Odorless

Physical State Liquid

pH N/A

Boiling Point N/A

Melting Point N/A

Freezing Point N/A

Vapor Pressure N/A

Vapor Density N/A

Specific Gravity N/A

Evaporation Rate N/A

Solubility in Water N/A

Odor Threshold N/A

Coefficient of Water/Oil

Distribution

Stability and Reactivity

Chemical Stability Stable under normal handling procedures.

N/A

Hazardous Reactions Under normal conditions of storage and use, hazardous reactions will not occur.

Toxicological Information

Acute Toxicity

This product does not contain hazardous components.

Carcinogenicity Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Sensitization Not available.

Mutagenicity Not available.

Reproductive Toxicity Not available.

For Research Use Only Page 5 of 7

Specific Target Organ

Toxicity (Single

Exposure)

Not available.

Specific Target Organ

Toxicity (Repeated

Exposure)

Not available.

Aspiration Hazard Not available.

Likely Routes of

Routes of entry anticipated: Oral, Dermal, Inhalation.

Exposure

Potential Acute Health Effects

Eye Contact No known significant effects or critical hazards.

Inhalation No known significant effects or critical hazards.

Ingestion No known significant effects or critical hazards.

Skin Contact No known significant effects or critical hazards.

Ecological Information

Ecotoxicity No data available.

Persistence and Degradability No data available.

Bioaccumulation/Accumulation No data available.

Mobility in Environmental

Media

No data available.

Other Hazardous Effects May be harmful to the environment, particularly aquatic organisms.

Disposal Considerations

Disposal MethodsDisposal should be in accordance with applicable national, state, and local laws and

regulations. Local regulations may be more stringent than national or state

requirements. Verify local and state regulations before discharging into public sewers or landfills. Do not dump into any body of water. Contact a licensed professional

waste disposal service for appropriate methods of disposal.

Transport Information

DOT Not dangerous goods.

IATA Not dangerous goods.

ADR Not dangerous goods.

Regulatory Information

United States (TSCA) All ingredients are on the inventory or exempt from listing.

For Research Use Only Page 6 of 7

Canada (DSL / NDSL)

All ingredients are on the inventory or exempt from listing.

Europe In accordance with Regulation (EC) No 1272/2008 - classification, labelling and

packaging of substances and mixtures (CLP).

SARA 302 Components No known hazards.

SARA 313 Components No known hazards.

SARA 311/312 Hazards No known hazards.

California Proposition 65

Components

This product does not contain any Proposition 65 chemicals.

Other Information

Disclaimer

The above information was obtained from sources available at the time of revision and believed to be accurate and reliable. The information included is not intended to be all inclusive and should only be used as a guide. RayBiotech shall not be held liable for any damage resulting from use, handling, or contact with the above product.

For Research Use Only Page 7 of 7