

Material Safety Data Sheet (MSDS) for CUSABIO Recombinant Protein

1. Product and Company Identification

Product Name: CUSABIO Recombinant Protein Reagents

CAS Number: N/A

Catalog Number: CSB-Series

Company Name: WUHAN HUAMEI BIOTECH Co., Ltd.

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2. Hazards identification

Classification of the substance or mixture: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements: The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards: none

3. Composition/information on ingredients

Mixtures: No components need to be disclosed according to the applicable regulations.

4. First Aid Measures

Ingestion: If the protein is swallowed, wash out mouth with water provided person is conscious. Call a physician or poison control.

Skin Contact: If the protein contacts the skin, flush with copious amounts of water and wash with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.

Inhalation: If the protein is inhaled, remove to fresh air. If breathing becomes difficult give oxygen. If breathing stops, administer artificial respiration. Call a physician.

Eye Contact: If the protein contacts the eyes, flush with copious amounts of water for at least 15 minutes. Check for and remove contact lenses. Assure adequate flushing by separating the eyelids. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2)

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and/or in section 11.

Indication of any immediate medical attention and special treatment needed: no data available

5. Firefighting measures

Extinguishing media: Suitable extinguishing media, use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: no data available

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Further information: no data available

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

Environmental precautions: Do not let product enter drains

Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections:

For disposal see section 13.

7. Handling and Storage

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °C

8. Exposure controls/personal protection

Control parameters: Components with workplace control parameters

Exposure controls: Exposure controls .General industrial hygiene practice

Personal protective equipment:

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin

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contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

9. Physical and Chemical Properties

Physical State: Liquid

Color: Clear.

Odor: None detectable.

pH: 5 – 10

Boiling Point: no data available.

Melting Point: no data available

Flash Point: no data available

Flammability: no data available

Auto flammability: no data available

Vapor Pressure: no data available.

Relative Density: 1-10 mg/ml

Water Solubility: 100% soluble.

10. Stability and reactivity

Reactivity: no data available

Chemical stability: no data available

Possibility of hazardous reactions: no data available

Conditions to avoid: no data available

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products: Other decomposition products - no data available

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In the event of fire: see section 5

11. Toxicological information

Acute toxicity: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13. Disposal considerations

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport Information

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Road / Railway Haulage ADR/RID: Not restricted.

Sea Freight IMO (IMDG): Not restricted.

Air Freight IATA (ICAO): Not restricted.

UN Number: Not applicable.

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available

Chemical Safety Assessment: For this product a chemical safety assessment was not carried out

16. Other information

This reagent is sold only in milliliter quantities for use in biological research. No other use is intended.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used as a guide. WUHAN HUAMEI Biotech Co., Ltd. shall not be held liable for any damage resulting from handling or contact with the above product. The burden of safe use of these materials rests solely with the user.