Safety data sheet

Section 1: Identification of substances/mixtures and companies/enterprises

1.1 Product identifier:

Product name: ： ActCelTCellActivation Reagent

Product Number: ： GMP-TL6001-1000/TL-6001-1000

1.2 Related definite use and suggested use of the substance or mixture:

Intended Use: This product is intended for For the in vitro activation and expansion of human T cells or PBMCs.

Not suitable for any animal, human or therapeutic purposes.

Suggestion: No other information is available.

1.3 Details of safety data sheet supplier:

Beijing T&L Biotechnology Co., Ltd.

Postal Code: 102600.

Tel: 010-53656596

Fax: 010-68640843

E-mail: service@seafrom.cn

Website: http://www.seafrom.com/

1.4 Emergency Contact Number:

Emergency Contact Number: 010-53656596

Section 2: Hazard identification

2.1 Classification of substances or mixtures:

According to the classification of Regulation (EC) 1272/2008, the product is not classified as dangerous goods.

2.2 Label elements:

According to the marking element of Regulation (EC) 1272/2008, products need not be marked.

2.3 Other hazards:

No inherent hazards.

Warning!

This product has a risk of cross-contamination (similar to biological reagents). When handling, adhere to relevant guidelines, follow good laboratory hygiene practices, and comply with safety regulations. Wear appropriate protective clothing to minimize contact with eyes, skin, and mucous membranes. Wash hands thoroughly after use.

Section 3: Composition/Composition Information

3.1 Substances: Organic compounds (human-derived substances)

Components: Nanoparticle matrix polymer conjugated with anti-human CD3 monoclonal antibody and anti-human CD28 monoclonal antibody, PBS/EDTA buffer, 0.5% human serum albumin, Poloxamer 188.

Product Description:Can gently and efficiently activate T cells or PBMCs.

CAS number: None

EC number: None

Attachment I Index No.: None

3.2 Mixture Information:

No additional mixture-specific information is required

Section 4: First aid measures

4.1 Description of first aid measures:

General Advice: If any inconsistency is found between actual use and this SDS, consult a doctor immediately.

Skin Contact: Remove contaminated clothing. Immediately rinse the affected area with plenty of soapy water for at least 15 minutes after contact. Consult a doctor if symptoms occur.

Eye contact: rinse immediately with plenty of water, including under eyelids, for at least 15 minutes. Separate the eyelids with your fingers to ensure adequate irrigation.If symptoms appear, please consult a doctor.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Consult a doctor if the product is swallowed..

Inhalation: Transfer the affected person to a fresh air area. If the affected person is not breathing, administer artificial respiration. Consult a doctor if symptoms persist.

4.2 The most important symptoms and effects, including acute and delayed:

Section 11 points out the acute and delayed reactions.

4.3 Instructions requiring immediate medical attention and special treatment:

Symptomatic treatment.

Section 5: Fire Prevention Measures

5.1 Fire extinguishing medium:

Suitable fire extinguishing medium: Use fire extinguishing medium suitable for surrounding fires.

5.2 Special hazards caused by components or mixtures:

Fire hazard: nonflammable. Reactivity: stable under ambient temperature and normal use conditions.

Explosion hazard: the product does not explode.

Reactivity: stable under ambient temperature and normal use conditions.

5.3 Firefighters' suggestions:

Precautionary measures fire: Be careful in case of any chemical fire.

Fire protection instructions: use water mist or fog to cool exposed containers.

Protection during fire fighting: Do not enter the fire fighting area without proper protective equipment, including respiratory protection.

Section 6: Measures for accidental leakage

6.1 Personal preventive measures, protective equipment and emergency procedures:

Non-Emergency Personnel: Wear personal protective equipment (PPE) and avoid contact with eyes and skin.

Emergency Personnel: Wear personal protective equipment (PPE) and avoid contact with eyes and skin.

6.2 Environmental Precautions: :

This product is not classified as environmentally hazardous. Prevent the product from entering drains, surfaces, or groundwater.

6.3 Containment and Cleaning:

Containment: Soak spills with inert absorbent materials.

Cleaning: After containment, disinfect the affected areas. Collect waste in a suitable container for disposal.

6.4 Refer to other sections:

See sections 8 and 13.

Section 7: Processing and Storage

7.1 Safe Handling:

Specific Recommendations: Avoid contact with skin, eyes, and clothing. Wear PPE. Keep away from heat sources and ignition sources. Ground all equipment containing this product.

Occupational Health Advice: Remove contaminated or soaked clothing immediately. Do not eat, drink, or smoke while using this product.

7.2 Safe Storage Conditions::

Keep containers tightly sealed. Store in a dry, cool, and well-ventilated area. Store at 2–8 °C in the dark.

Incompatibilities: None specified.

7.3 Specific end use:

There is no need to provide any special suggestions on the use of this product except what has been explained.

Section 8: Contact Control/Personal Protection

8.1 Exposure Limits:

Occupational Exposure Limits: Substances in this product require monitoring in the workplace.
Environmental Limits: No environmental limits apply to the product's components.

8.2 Exposure Controls: None

Engineering Controls: Ensure adequate ventilation, especially in confined spaces; use a fume hood if applicable. Ensure all engineering measures in Section 7 of this SDS are implemented. Equip the laboratory with an emergency shower and eyewash station.

Personal protective equipment:

Respiratory protection: If the risk assessment shows that it is necessary, please use a suitable respirator.
Hand protection: Wear protective gloves.

Eye protection: Choose appropriate goggles.

Skin Protection: Wear appropriate chemical-resistant gloves (minimum requirement: BS EN 374:2003). Wash and dry hands before use; check glove integrity regularly.

Physical protection: Wear appropriate protective clothing.

Thermal hazard: None.

Environmental exposure control: None.

More information: the type of protective equipment must be selected according to the concentration and quantity of specific hazardous substances in the workplace, and according to good industrial hygiene and safety standards for operation.

Section 9: Physical and chemical characteristics

9.1 Physical and Chemical Properties:

Appearance: Brown turbid liquid.

Odor: Not applicable.

Odor Threshold: Not applicable.

pH: 7.0–9.0.

Melting point: Not applicable.
Initial boiling point: Not applicable.
Boiling range: Not applicable.
Flash point: Not applicable.
Evaporation rate: Not applicable.
Flammability (solid, gas): Not applicable.
Upper combustion limit: Not applicable.
Lower flammability limit: Not applicable.
Vapor pressure: Not applicable.
Vapor density: Inapplicable
Relative density: Inapplicable
Solubility: Soluble in water
Spontaneous combustion temperature: Not applicable.
Decomposition temperature: Not applicable.
Viscosity: Not applicable.
Explosion characteristics: Not applicable.
Oxidation: Not applicable.

9.2 Other information:

Thermal decomposition: Not applicable.
Vapor density: Not applicable.
Evaporation rate: Not applicable.

Surface tension at 20°C: Not applicable.
Refractive index: Not applicable.

Section 10: Stability and reactivity

10.1 Reactivity: Stable under the suggested transportation or storage conditions.
10.2 Chemical stability: Stable under recommended storage conditions.
10.3 Possibility of dangerous reaction: None.
10.4 Avoidance conditions: Unknown dangerous reaction under normal use conditions.
10.5 Incompatibilities: Strong acids, strong alkalis, strong oxidizing agents, and strong reducing agents.
10.6 Hazardous Decomposition Products: None under normal conditions. Hazardous products may form if in contact with strong acids, strong alkalis, strong oxidizing agents, or strong reducing agents.

Section 11: Toxicological information

11.1 Toxicological Information:
Mixture
Mixture Toxicity:
Skin Irritation: May cause skin irritation in susceptible individuals.
Eye Irritation: May cause eye irritation in susceptible individuals.
Sensitization: May cause respiratory or skin sensitization in individuals with allergic predispositions.
Inhalation: May cause throat irritation and chest tightness.
Ingestion: May cause throat irritation.
Subacute/Chronic Toxicity: Not classified.
Carcinogenicity: Not classified.
constitution: the throat may be irritated and the chest may feel tight.
Intake: that may irritate throat
Subacute/chronic toxicity:
Carcinogenicity: Not classified.
Mutagenicity: Not classified.
Teratogenicity: Not classified.
Anesthetic effects: Not classified.
Reproductive effects: Not classified.
Developmental effects: Not classified.
Component Toxicity:
Acute Toxicity: Not classified.
Subacute/Chronic Toxicity: Not classified.
Other Adverse Effects: Toxicological properties of components are not fully investigated.
Target Organ Effects: No known target organ effects under normal use.

Section 12: Ecological information

12.1 Ecotoxicity: No data available
12.2 Persistence and biodegradability: The product is biodegradable.
12.3 Bioaccumulation potential: No bioaccumulation**.**
12.4 Soil Mobility: No data available on soil mobility.
12.5 PBT/vPvB Assessment:
Persistent, Bioaccumulative, Toxic (PBT) Substances: None.
Very Persistent, Very Bioaccumulative (vPvB) Substances: None.
12.6 Other adverse effects: None.

Section 13: Disposal considerations

13.1 Waste Disposal: Comply with local, regional, national, provincial, territorial, and international regulations.
Product Waste: Transfer waste to suitable containers. Arrange collection by a licensed waste disposal company per applicable regulations.
Contaminated Packaging: Dispose of as hazardous/toxic waste in a regulated landfill or via other approved methods per applicable regulations.

Section 14: Transport Information

Compliant with ADR/RID/ADNR/IMDG/ICAO/IATA

14.1 UN Number: Not applicable (product is not classified as hazardous goods under applicable transport regulations)

14.2 UN Proper Shipping Name: Not classified as hazardous under transport regulations

14.3 Transport Hazard Class: Not classified as hazardous under transport regulations

14.4 Packing Group: Not applicable

14.5 Environmental Hazards: Not applicable

14.6 Special Precautions for Users: Not applicable

14.7 Transport in bulk according to MARPOL 73/78 Annex II and the IBC Code: Not applicable

Section 15: Regulatory Compliance

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:

No known regulatory hazards.

Complies with REACH Annex XVII (no restrictions).

Does not contain any substances listed in the REACH Candidate List.

15.2 Chemical Safety Assessment: No chemical safety assessment has been performed

Section 16: Other Information

For Research Use Only . Not for use in animals, humans, or therapeutic applications.

The information above is believed to be accurate but not exhaustive, and is for reference only. It does not constitute any express or implied warranty regarding product performance.

All materials may contain unknown hazards; handle with caution.

Beijing T&L Biotechnology Co., Ltd. shall not be liable for direct, indirect, consequential, or incidental damages arising from handling or contact with this product.