MATERIAL SAFETY DATA SHEET (MSDS)

# Product and Company Identification

Product Name:

Part Numbers:

Heparin Binding Protein Detection Kit

(Fluorescence Dry Quantitative Immunoassay)

Test cassette\* 25 pcs;

Detection Buffer: 25 bottle\* 0.15ml

,

Company Information:

Customer Support:

Joinstar Biomedical Technology Co.,Ltd.

Address: #519 Xingguo RD, Yuhang Economic &Technology Development Zone,Hangzhou

Zhejiang, China.

Postcode:311188.

+86-571-89028388

Emergency Number:

# Hazard Identification

OSHA Hazards: GHS Hazards:

HMIS Ranking: *Health hazard Flammability Physical hazards*

NFPA Rating: *Health hazard Fire*

*Reactivity hazard*

+86-21-89028135

This number is available only during business hours (9:00am to 5:00pm UTC)

No known OSHA hazards

Not a dangerous or hazardous substance or preparation according to the Global Harmonized System (GHS).

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Potential Health Effects:

Not known to produce adverse health effects

# Composition/ Information on Ingredients

This product consists of the following components.

**TABLE 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAME OF SUBSTANCE** | **%** | **CAS#** | **EC#** | **HAZARD** |
| Albumin from bovine serum | 2.0 | 9048-46-8 | 232-936-2 | Skin Irrit. 2 |
| Potassium dihydrogenorthophosphate | 0.02 | 7778-77-0 | 231-913-4 | Skin Irrit. 2 |
| Sodium chloride | 6.0 | 7647-14-5 | 231-598-3 | Skin Irrit. 2 |
| Disodium hydrogenorthophosphate | 0.16 | 7558-79-4 | 231-448-7 | Skin Irrit. 2 |
| Sodium dihydrogenorthophosphate | 0.00 | 7558-80-7 | 231-449-2 | Skin Irrit. 2 |
| Sorbitan monolaurate, ethoxylated | 0.06 | 9005-64-5 | 500-018-3 | Skin Irrit. 2 |
| Sodium hydrogencarbonate | 0.00 | 144-55-8 | 205-633-8 | Skin Irrit. 2 |
| Polyvinylpyrrolidone | 1.0 | 9003-39-8 | 618-363-4 | Skin Irrit. 2 |

1. **First Aid Measures**

In case of eye contact: Flush eyes with water for a recommended 15 minutes In case of inhalation: Remove to fresh air and contact a physician

In case of skin contact: Flush eyes with water for a recommended 15 minutes In case of ingestion: Contact a physician in case of ingestion

# Fire-Fighting Measures

No flammable properties are associated with this product.

Extinguishing media: Use water spray, dry chemical or carbon dioxide

Hazardous combustion May result in the formation of nitrogen and carbon products: oxides

Special protective Wear self-contained breathing apparatus for firefighting equipment for firefighters: if necessary

Additional information: Plastic cartridge emits fumes under fire

# Accidental Release Measures

Personal precautions**:**

*Eye Protection* Wear safety goggles or a face shield when cleaning up

spills

*Skin Protection* Wear protective attire that prevents contamination of skin

and personal clothing

*Hand Protection* Wear nitrile or vinyl gloves that cover exposed skin *Other Protections* Avoid breathing mists, dusts, and aerosols Environmental Controls: Prevent spilled product from entering drains

Spill Clean-up Measures: Contain the material to prevent it from becoming airborne

Place absorbent material on top of, and around the perimeter of the spill

Sweep up the spilled material and decontaminate the area with soap and water or an equivalent cleaner

# Handling and Storage

The Test Devices must be stored at 2℃ to 30℃ and never frozen.

The Detection Buffer must be stored at 2℃ to 8℃ and never frozen.

Follow safe chemical handling procedures for handling and storage.

# Exposure Controls/Personal Protection

None of the chemicals in this preparation are assigned occupational exposure limits. This product can be safely handled under normal conditions.

Engineering Controls: Provide ventilation in work areas where this product is

handled

Personal Protective Safety glasses and chemical-resistant gloves Equipment: recommended

# Physical and Chemical Properties

Physical state:

Odor threshold: Chemical Properties:

Nitrocellulose membrane ,

None established None available for:

* + pH
  + Melting point
  + Boiling point
  + Flash point
  + Lower Explosive Limit
  + Upper Explosive Limit
  + Vapor pressure
  + Vapor density (air=1)
  + Density (g/cm3)
  + Water solubility (20°C in g/l)
  + Auto ignition temperature

# Stability and Reactivity

Reactivity: This preparation is not known to be violently reactive Chemical Stability: This preparation is known to be chemically stable Thermal Decomposition: Will decompose when burned

Conditions to Avoid: Excess heat or flame Incompatible Materials: No data available

Hazardous Decomposition No harmful decomposition products known Products:

Storage Conditions: Follow manufacturer’s PI instructions for storage.

# Toxicological Information

Table 2 below lists the chemicals contained in it and their toxicology information:

**TABLE 2**

|  |  |  |
| --- | --- | --- |
| **NAME OF SUBSTANCE** | **ACUTE TOXICITY LD50/ LC50** | **CHRONIC TOXICITY (CMR) 1** |
| Potassium dihydrogenorthophosphate | No data available | No data available |
| Sodium hydrogencarbonate | No data available | No data available |
| Sodium chloride | 3000 mg/kg (Oral, Rat) | No data available |
| Sodium dihydrogenorthophosphate | 8290 mg/kg (Oral, Rat) | No data available |
| Sorbitan monolaurate, ethoxylated | 37000mg/kg (Oral, Rat) | No data available |
| Disodium hydrogenorthophosphate | 17000mg/kg (Oral, Rat) | No data available |
| Polyvinylpyrrolidone | >100000mg/kg (Oral, Rat) | No data available |

1. **Ecological Information**

No information found. This preparation is not anticipated to present adverse ecotoxicological effects.

# Disposal Considerations

Waste Treatment Methods: Check regional waste requirements

Waste Treatment Options: Treatment options approved by local authorities

Sewage Disposal Options: Check with local authorities before discharge to the sewer Other Disposal Dispose of according to local, state, and national

Recommendations: regulatory requirements

U.S. Waste Classification: Biological waste after use California Waste Codes: None

# Transport Information

ADR/RID

Not dangerous goods IMDC

Not dangs.erous goods IATA

Non-toxic and non-dangerous good

NOT RESTRICTED as per IATA DGR 61TH,2020 Edition

# Regulatory Information

US OSHA: Not regulated as a hazardous material

US EPA: Hazards to the environment have not been thoroughly investigated

EU Regulations: This material safety data sheet conforms to Regulation

(EC) No 1272/2008, 1907/ 2006, and other requirements established by the European Union

National Regulations: None found

Chemical Safety Assessment: A Chemical Safety Assessment has not been completed

for this product

# Other Information

The above information is believed to be correct but does not purport to be inclusive and shall be used only as a guide. Abaxis shall not be held liable for any damage resulting from handling or from contact with the above product.