

Heparin Bestarose HR

Chemical Safety Data Sheet (SDS)

1. Chemical name and manufacturer information

Chemical name	Heparin Bestarose HR
Company	Bestchrom (Zhejiang) Biosciences Ltd.
Address	No.1333, 1 st Xinxing Road, Economic and Technological Development Zone, Pinghu, Zhejiang, China
Tel	0573-85578821
Email	info@bestchrom.com
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2. Hazards identification

Classification of dangerous goods	Not a hazardous substance or mixture GHS label elements, including precautionary statements.
Pictogram	No.
Signal word	No.
Hazard statement (s)	No.
Measures	If swallowed: If you feel unwell, see a doctor. In case of skin contact: Wash off with soap and plenty of water. In case of eye contact: Rinse thoroughly with plenty of water for 15 minutes. If skin irritation: see a doctor. If the eye irritation: see a doctor.
Storage	Prevent the sun. Stored in ventilated place.

3. Composition/Information on Ingredients

<i>Chemical composition</i>	Percentage (%)	CAS No	EC No
Heparin Bestarose HR	80	9002-18-0	232-658-1
2%Benzyl alcohol	20	100-51-6	202-859-9

4. First-aid Measures

Description of first aid measures	
Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact	If in contact with skin, immediately flush skin with soap and copious amounts of water. Consult a doctor if irritant case.
Eye contact	If in contact with eye, immediately flush eyes with copious amounts of water for at least 15 minutes. Consult a doctor if irritant case.
If swallowed	Never give anything by mouth to an unconscious person. Rinse

<p>Most important symptoms and effects, both acute and delayed</p> <p>Indication of any immediate medical attention and special treatment needed</p>	<p>mouth with water. Vomiting, gastric lavage immediately and obtain medical attention.</p> <p>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p> <p>No.</p>
5. Fire Fight Measures	
<p>Hazard characteristics</p> <p>Suitable extinguishing media</p> <p>Advice for firefighters</p>	<p>No.</p> <p>Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</p> <p>Wear self contained breathing apparatus for fire fighting if necessary.</p>
6. Accidental Release Measures	
<p>Personal precautions, protective equipment and emergency procedures</p> <p>Environmental precautions</p> <p>Methods and materials for containment and cleaning up</p>	<p>Use personal protective equipment. Avoid breathing vapors, mist or gas.</p> <p>Prevent run off into drains.</p> <p>Absorb spill with dry sand, earth, inert material or vermiculite. Deposited into the appropriate and closed container for disposal.</p>
7. Operational handling and storage	
<p>Precautions for safe handling</p> <p>Conditions for safe storage</p>	<p>Operating personnel should be trained, follow the operating rules. Provide appropriate exhaust ventilation.</p> <p>Store in cool place. Keep container tightly closed in a dry and well-ventilated place.</p>
8. Exposure Control / Personal protection	
<p>Maximum allowable concentration</p> <p>Monitoring method</p> <p>Engineering control</p> <p>Respiratory protection</p> <p>Eye protection</p> <p>Body protection</p> <p>Hand protection</p> <p>Other protective</p>	<p>Not established.</p> <p>None.</p> <p>None.</p> <p>Wear masks.</p> <p>Wear safety glasses.</p> <p>Wear work clothes.</p> <p>Handle with gloves.</p> <p>No smoking, eating and drinking in the work. After bathing, dressing.</p>

9. Physical and Chemical Properties

Appearance	White liquid.
Odour	Little odor.
Melting point (°C)	No data available.
Viscosity (20°C) (MPa.S)	No data available.
Flash Point (close cup) (°C)	>94
Density (20°C,g/mL)	No data available.
Vapour pressure (KPa,10°C)	No data available.
Vapour density	No data available.
Critical temperature (°C)	No data available.
Critical pressure (MPa)	No data available.
Partition coefficient noctanol/water	No data available.
Autoignition temperature (°C)	No data available.
Decomposition temperature (°C)	No data available.
Heat of combustion (KJ/mol)	No data available.
Upper explosive limit% (V/V)	No data available.
Lower explosive limit% (V/V)	No data available.
Water solubility	Partially insoluble in water.

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.
Incompatible Materials	No data available.
Hazardous decomposition products	No data available.

11. Toxicological Information

Acute toxicity	LD ₅₀ Oral-rat: No data available.
	LC ₅₀ inhalation-rat: No data available.
Skin corrosion/irritation	No data available.
	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.
	No data available.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Potential health effects	No data available.

12. Ecological Information

Eco-toxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

13. Disposal Consideration

Waste nature	Not in the scope of the “State Hazardous Wastes List”.
Waste treatment methods	Disposal before should refer to the local environmental protection department of the relevant provisions. Suggest to the qualified chemical waste management disposal.

14. Transport Information

UN No	None.
Packing mark	None.
Packing category	None.
Packing method	None.
Marine pollutant	No.
The user’s special precautions	Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency treatment equipment for leakage.

15. Regulatory Information

National law and rule of China:

Chromatography media is uncatalogued in: Inventory of existing chemical substances in China. List of hazardous chemical materials. Occupational exposure limits for hazardous agents in the workplace (Chemical hazardous agents). Frequently used by classification and marking of hazardous chemicals. This SDS conforms to the following standards and regulations: GB/T 16483, GB/T 17519, GB 13690, GB 6944, GB/T 15098, GB 18218, GB 15258, GB 190, GB/T 191, GB 12268 Rules of transportation of dangerous goods: China ministry of transportation. *Regulations on the control over safety of dangerous chemicals(China)*、*Recommendations on the transport of dangerous goods(UN RTDG)*.

16. Other Information

Compiling department: Bestchrom (Zhejiang) Biosciences Ltd.----QA

Modification note: According to the standard GB/T 17519, the product name was added to the footer of each page, and the initial compilation date and revision date were added to the first part.

Reference: *UN TRANSPORT OF DANGEROUS GOODS Model Regulations*

UN Globally Harmonized System Of Classification And Labelling Of Chemicals (GHS) etc.

Declaration: This manual is prepared in accordance with the standard requirements of GB/T 16483 "Regulations for preparation of safety technical instruction of chemical products" (equivalent to ISO 11014) in our best knowledge, so it is only for reference. All materials have unknown hazards. The consignee of this product must formulate safe operation procedures according to the requirements of the SDS and the actual situation of the site, and operate with caution. Bestchrom is not responsible for the damage caused by handling and contact with the above products.