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# MATERIAL SAFETY DATA SHEET

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## SECTION 1: CHEMICAL PRODUCTS & COMPANY IDENTIFICATION

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**Trade Name:**

Hidrosmin

it is a mixture of 3,5-di-O-(hydroxyethyl) diosmin and 3'-mono-O-(hydroxyethyl) diosmin

**Manufacturer:**

SICHUAN GENCORN BIOENGINEERING CO., LTD

197# Shuangnan Section, Wuhou Avenue, Chengdu 610400, P. R. China.

**Tel:** +86-28-84935017

**Fax:** +86-28-84935017

**Email:** genica@163.com

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## SECTION 2: HAZARDOUS IDENTIFICATION

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**Hazard description:**

No hazardous product as specified in Directive 67/548/EEC.

**Information concerning particular hazards for human and environment:**

No hazardous product as specified in Directive 67/548/EEC.

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## SECTION 3: COMPOSITION & INFORMATIONS ON COMPONENTS

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**Molecular Formula:**

3,5-di-O-(hydroxyethyl) diosmin

C<sub>32</sub>H<sub>41</sub>O<sub>18</sub>

**Molecular Weight:**

713

**CAS No.**

120250-44-4

**EC Number:**

208-289-7

**Molecular Formula:**

3'-mono-O-(hydroxyethyl) diosmin

C<sub>30</sub>H<sub>36</sub>O<sub>16</sub>

**Molecular Weight:**

652.597

**CAS No.**

115960-14-0

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## SECTION 4: FIRST AID MEASURES

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**Contact with skin:**

Non-poison, suggest to clean and rinse with soapsuds.

**Contact with eyes:**

Clean and rinse with enough water at once. If irritant headache, consult a doctor.

**Swallow:**

If swallow of large quantity, see a doctor immediately and treat it with a doctor's advice.

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## SECTION 5: FIRE FIGHTING MEASURES

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**Suitable extinguishing agents:**

CO<sub>2</sub>, powder, foam.

Use fire extinguishing methods suitable to surrounding conditions.

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### **Personal precautions:**

Avoid dust formation.

### **Environmental precautions:**

Do not let product enter drains.

### **Methods for cleaning up:**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## SECTION 7: HANDLING AND STORAGE

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### **Handling:**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### **Storage:**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

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## SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION

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Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

#### **Respiratory protection:**

Government approved respirator.

#### **Hand protection:**

For prolonged or repeated contact use protective gloves.

#### **Eye protection:**

Safety glasses

#### **Hygiene measures:**

General industrial hygiene practice.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### **General Information**

**Form:** Solid

**Colour:** Yellow crystalline or yellow brown

**Odour:** Odourless

### **Change in condition**

**Melting point/Melting range:**

162-172 °C

**Boiling point/Boiling range:**

Undetermined.

**Flash point:** Not applicable.

**Flammability (solid, gaseous):**

Product is not flammable.

**Danger of explosion:**

Product does not present an explosion hazard.

**Density:**

Not determined.

**Solubility in water:**

Soluble in water.

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## SECTION 10: STABILITY AND REACTIVITY

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### **Thermal decomposition / conditions to be avoided:**

Heating

### **Materials to be avoided:**

Strong oxidizing agents.

**Dangerous reactions:**

No information available.

**Dangerous decomposition products:**

No information available.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Acute toxicity:**

No data available

**Irritation and corrosion:**

No data available

**Sensitisation:**

No data available

**Chronic exposure**

IARC: 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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Potential Health Effects**

**Inhalation:**

May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:**

May be harmful if absorbed through skin.

May cause skin irritation.

**Eyes:**

May cause eye irritation.

**Ingestion:**

May be harmful if swallowed.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Elimination information (persistence and degradability):**

No data available

**Ecotoxicity effects:**

No data available

**Further information on ecology:**

No data available

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**Product:**

Observe all federal, state, and local environmental regulations.

**Contaminated packaging:**

Dispose of as unused product.

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**SECTION 14: TRANSPORT INFORMATION**

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**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

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**SECTION 15: REGULATORY INFORMATION**

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**Labelling according to EU guidelines:**

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This product is not hazardous according to EEC directive 67/548/EEC / directive 99/45/EC.

**National regulations:**

**Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

**Waterhazard class:**

Not subject to classification.

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**SECTION 16: OTHER INFORMATION**

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The information contained here is furnished without warranty of any kind.

Users should consider these data only as a supplement to other information gathered by them, and must make independent determinations of suitability and completeness of information from all sources to assure the proper use and disposal of these materials, and the safety and health of employees and customers, and the protection of the environment.

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