

Hemin

Cat# C45210B

SECTION 1. Identification of the substance/mixture and of the company/undertaking

Product Name: Hemin

CAS: 16009-13-5

Product Catalog: C45210B

Company Identification: ACE BIOLABS CO., LTD.

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Section 2 – Hazard identification

Classification of the substance or mixture:

Not classified.

GHS label elements, including precautionary statements:

Pictogram(s) : No symbol

Signal word : No signal word

Hazard:none

statement(s)

Precautionary statement(s)

Prevention:none

Response:none

Storage:none

Disposal:none

Other hazards which do not result in classification

no data available

Section 3 - Composition/information on ingredients

Substances

Chemical name:Hemin

Common names and synonyms:Hemin

Concentration:100%

Section 4 - First-aid measures

Description of necessary first-aid measures:

If inhaled:Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing,give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

Following skin contact:

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Following eye contact: Rinse with pure water for at least 15 minutes. Consult a doctor.

Following ingestion:

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to

an unconscious person. Call a doctor or Poison Control Center immediately.

Most important symptoms/effects, acute and delayed:no data available.

Indication of immediate medical attention and special treatment needed, if necessary:no data available

Section 5 - Fire-fighting measures

Suitable extinguishing media:

Use dry chemical, carbon dioxide or alcohol-resistant foam.

Specific hazards arising from the chemical:no data available.

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions:

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosionproof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7 - Handling and storage

Precautions for safe handling:

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

Conditions for safe storage, including any incompatibilities:

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

Section 8 – Exposure controls/personal protection

Control parameters

Occupational Exposure limit values:no data available

Biological limit values:no data available.

Appropriate engineering controls:Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

Individual protection measures, such as personal protective equipment (PPE):

Eye/face protection:

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin protection:Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. 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.

Respiratory protection:If the exposure limits are exceeded, irritation or other symptoms are

experienced, use a full-face respirator.

Thermal hazards: no data available.

Section 9 - Physical and chemical properties and safety characteristics

ROUTE OF EXPOSURE

Physical state: Dark purple crystalline powder

Colour: no data available

Odour: no data available

Melting point/freezing: -9°C(lit.)

Boiling point or initial: 61°C/1mmHg(lit.)

Flammability: no data available

Lower and upper: no data available

Flash point: 104°C(lit.)

Section 10 - Disposal considerations

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

Section 11 - Regulatory information

Safety, health and environmental regulations specific for the product in question

European Inventory of Existing Commercial Chemical Substances (EINECS): Listed

EC Inventory: Listed.

United States Toxic Substances Control Act (TSCA) Inventory: Listed.

New Zealand Inventory of Chemicals (NZIoC): Listed.

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC): Listed.

Section 12 - Other information

Abbreviations and acronyms

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%