



Material Safety Data Sheet (MSDS)

Section 1 - Product Identification

Product Identification: Wheat Germ Extract Spermidine

CAS Number: 124-20-9

Molecular Weight: 145.25

Section 2 - Composition/Information on Ingredients

Product Name: Wheat Germ Extract Spermidine

Botanical source: *Triticum aestivum* L.

Ingredient Name: Spermidine

Section 3 - Hazards Identification, Including Emergency Overview

Health Hazards Acute & Chronic:

Appearance: Light yellow to brown

Potential Health Effects

Skin corrosion (Sub-category 1B), H314

Serious eye damage (Category 1), H318

Regulation (EC) No 1272/2008

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Section 4 - First Aid Measures

First Aid:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Immediately flush skin with plenty of water.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Remove from exposure and move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Section 5 - Fire Fighting Measures

Extinguishing media

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x)

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

Section 6 - Accidental Release Measures



Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

For personal protection see section 8.

Environmental precautions

Do not let the product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Avoid contact with skin, eyes and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well—ventilated area away from incompatible substances. Store in a tightly closed container.

Section 8 - Exposure Controls & Personal Protection

Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required. Use non-sparking tools.

Personal Protective Equipment:

Respiratory: government-approved respirator.

Hand: compatible chemical-resistant gloves.

Eye: chemical safety goggles.

General Hygiene Measures:

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical & Chemical Properties

Physical State: powder

Appearance: Light yellow to yellow

Odor: Characteristic

Loss on Drying: 7.0% Max Ash: 5.0% Max

Danger of Explosion: None

Section 10 - Stability & Reactivity Data

Stability Indicator: Stable under normal temperatures and pressures.

Materials to Avoid: Incompatible materials, ignition sources, excess heat. Hazardous **Decomposition**

Products: carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information



Address: East of Tianmu Road, Laiyang Development Zone, Yantai City, Shandong Province, 265200, China

Acute toxicity: None.

On the skin: no irritant effect on the skin.

On the eye: No irritant effect

Sensitization: No sensitizing effects known

Section 12 - Ecological Information

Ecological Information: Not information available

Section 13 - Disposal Considerations

Waste Disposal Methods: Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Section 14 - MSDS Transport Information

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

Section 15 - Regulatory Information

Health& Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 16 - Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.