



Material Safety Data Sheet (MSDS)

1. IDENTIFICATION

Product Name: Rice Ceramide 2.5% (Rice Extract)

2. HAZARDS DENTIFICATION

Hazards Identification: no data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Registration No.	CAS No.	EC No.
Ceramide	N/A	104404-17-3	309-560-3

4. FIRST AID MEASURES

Description of 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 and effects, both acute and delayed: no data available

Indication of any immediate medical attention and special treatment needed: no data available

5. FIRE FIGHTING MEASURES

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

Specific Hazards Arising from the Chemical: no data available

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

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 sparkproof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational Exposure limit values: no data available

Biological limit values: no data available

Exposure 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

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

Skin protection: Wear fire/flammable 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

9. PHYSICAL AND CHEMICAL PROPERTIES



Appearance and Odor: White

Physical state: Powder

Boiling point/range: 636.1°C at 760mmHg

Vapor pressure: No data available

Evaporation rate: No data available

Vapor density: No data available

Solubility (in water): No data available

Flash point: 338.5°C

Autoignition temperature: Not determined

Density and/or relative density: 0.928g/cm³

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 Oral: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: no data available

Reproductive toxicity: no data available

STOT-single exposure: no data available

STOT-repeated exposure: no data available

Aspiration hazard: no data available

12. ECOLOGICAL INFORMATION

Toxicity: Toxicity to fish: no data available

Toxicity to daphnia and other aquatic invertebrates: no data available



Toxicity to algae: no data available

Toxicity to microorganisms: 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 CONSIDERATIONS

Disposal methods

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 water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

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.

14. TRANSPORT INFORMATION

UN Number:

ADR/RID: no data available

IMDG: no data available

IATA: no data available

UN Proper Shipping Name:

ADR/RID: no data available

IMDG: no data available

IATA: no data available

Transport hazard class(es):

ADR/RID: no data available

IMDG: no data available

IATA: no data available

Packing group, if applicable:

ADR/RID: no data available

IMDG: no data available

IATA: no data available

Environmental hazards:

ADR/RID: No



IMDG: No

IATA: No

Special precautions for user:no data available

Transport in bulk according to IMO instruments: no data available

15. Regulatory Information

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

European Inventory of Existing Commercial Chemical Substances (EINECS): Not Listed.

EC Inventory: Not Listed.

United States Toxic Substances Control Act (TSCA) Inventory: Not Listed.

China Catalog of Hazardous chemicals 2015: Not Listed.

New Zealand Inventory of Chemicals (NZIoC): Not Listed.

PICCS: Not Listed.

Vietnam National Chemical Inventory: Not Listed.

IECSC: Not Listed.

Korea Existing Chemicals List (KECL):Not Listed.

16. 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%

Disclaimer: The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.