



Material Safety Data Sheet

MSDS

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY IDENTIFICATION

1.1 Products Identification

Product Name: Soy lecithin powder/granules (deoiled), dry Lecithin
Chemical Name: Soy lecithin (deoiled)
CAS No: 8030-76-0
EC No: 310-129-7
Commodity description: Yellow or light yellow powder or granular, with soy bean odor.

1.2 Manufacturer Company Identification

Orison Chemicals Limited
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Section 2: Material Composition/Information on Ingredients

CAS#	Chemical Name	Percent
8002-43-5	Soy Lecithin	98%
7732-18-5	Water (H2O)	2%

Section 3-Hazards Identification

Appearance: light yellow powder/granular
Odor: Characteristic of soy beans
Health injuries: are not known or expected under normal use, contain soy.
Caution! May cause eye irritation and transient injury, this is expected to be a low hazard for usual industrial handling.

Section 4. FIRST AID MEASURES

General Advice Contains soy, May produce an allergic reaction.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids
Skin Contact Wash off with warm water and soap.
Inhalation Move to fresh air. Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.
Note to Physician Treat symptomatically.

Section 5. FIRE-FIGHTING MEASURES

Flammable Properties Fine dust dispersed in air may ignite. As with most organic solids, combustion is possible at elevated temperatures or by contact with an ignition source. Risk of ignition followed by flame propagation or secondary explosions should be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

Flash Point: Not available.

Auto ignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment.

Environmental Precautions

Local authorities should be advised if significant spillages cannot be contained.

Extinguishing media

Methods for Clean-up

Shovel or sweep up. Keep in suitable, closed containers for disposal.

Section 7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Use with adequate ventilation. Avoid contact with skin and eyes. Keep container tightly closed.

Avoid ingestion and inhalation. Avoid contact with air and sunlight.

Storage: Do not store in direct sunlight. Store in a tightly closed container. Store in a cool, dry, Well-ventilated area away from incompatible substances. Storage temperatures should not exceed 25°C / 77°F

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation, especially in confined areas. Exposure Limits As an airborne dust, exposure limits pertaining to "particulates not otherwise regulated" have been provided below. General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

Exposure Limits As an airborne dust, exposure limits pertaining to "particulates not otherwise regulated" have been provided below.

Chemicals name	ACGIH TLV	OSHA PEL	NIOSH
Soy lecithin	TWA: 10 mg/m ³ inhalable particles, recommended TWA: 3 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³	Not listed

Personal Protective Equipment:

Eye/face Protection: If exposed to airborne dust, appropriate safety glasses with side-shields or safety goggles are recommended

Skin and Body Protection: Protective clothing and gloves may be worn to reduce the potential of mechanical irritation

Respiratory Protection: If exposed to airborne dust, use appropriate NIOSH approved (or equivalent) respiratory protection

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

ORISONCHEM-FILE

Physical State: Solid
Appearance: Light yellow Powder or granular
Odor: nutty odor - weak odor
PH: 6.6
Vapor Pressure: Negligible.
Vapor Density: Not available.
Evaporation Rate: Negligible.
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point: 457 deg F
Decomposition Temperature: Not available.
Solubility: Insoluble in water.
Specific Gravity/Density: 1.03 (water=1)
Molecular Formula: Not applicable.
Molecular Weight: 677.92

Section 10. STABILITY AND REACTIVITY

Chemical Stability: Oxidizes when exposed to air.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials: Strong oxidizers.
Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, oxides of phosphorus, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11. TOXICOLOGICAL INFORMATION

CAS# 8002-43-5: OG7565000
LD50/LC50: Not available.
CAS# 8002-43-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Epidemiology: No danger
Teratogenicity: No danger
Reproductive Effects: No danger
Mutagenicity: No danger

Section 12 - Ecological Information

Ecotoxicity: No danger for Ecotoxicity
Environmental: No danger for environmental affect
Physical: No danger
Other: None.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14- Transport Information

International transport regulations:

IMDG/IMO code: Not regulated, it is not dangerous goods.
DOT Classification: Not a DOT controlled material, it is not dangerous goods
ICAO Not regulated, it is not dangerous goods
IATA Not regulated, it is not dangerous goods

Domestic transport regulations (CHINA):

Not regulated, it is not dangerous goods

Domestic transport regulations (RUSSIA):

Not regulated, it is not dangerous goods

Domestic transport regulations (EU):

Not regulated, it is not dangerous goods

Section 15 -Regulatory Information

US FEDERAL TSCA This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

Section 16 - Additional Information

Issued by: Orison Chemicals Limited, tech support

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Revision Number: 02

Reason for revision: new MSDS for shipment by sea and by air shipment.

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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