



SAFETY DATA SHEET

1. Identification

Product Identifier Natural Lycopene Beadlet 10%CWS-S

Recommended Use: Food additive

Manufacturer Information:

Company Name Speranza Chemical Co., Ltd.

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2. Hazards identification

Hazard Classification Not classified

Label elements The product does not require a hazard warning label

Hazards not otherwise classified High risk of slipping due to leakage/spillage of product. The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

3. Composition/information on ingredients

Chemical Name:	CAS No.	Concentration (w/w)*
Modified Food Starch	66829-29-6	65.0%
Corn Starch	9005-25-8	23.0%
Natural Lycopene	502-65-8	10.0%
all-rac- α -Tocopherol	10191-41-0	2.0%

Remarks: *The data is based on average.

4. First-aid measures

Description of first aid measures

Inhalation:	Remove to fresh air, call a physician if necessary.
Skin contact:	Remove contaminated clothes. Wash thoroughly with soap & water. If irritation develops, seek medical attention.
Eye contact:	Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.
Ingestion:	Rinse mouth and then drink plenty of water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms: No specific symptoms known

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically

5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing media: Water spray, carbon dioxide, foam, dry extinguishing media.

Unsuitable Extinguishing media: None known

Special hazards arising from the substance or mixture

Hazard during fire-fighting: Dust explosion hazard

Special protective equipment or precautions for firefighters

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing and avoid dust formation.

Environment precautions: Do not discharge into drains/surface water/groundwater.

Methods and material for containment and cleaning up

Sweep up and shovel.

7. Handling and storage

Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. Provide exhaust ventilation if dust is formed. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities Keep container tightly sealed. Protect contents from light, humidity, and heat.

8. Exposure controls/personal protection

Occupational exposure limits	Not exposure limits value known.
Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Personal protective measures	
Eye/face protection:	Wear safety goggles (chemical goggles) if there is potential for airborne dust exposures.
Skin and body protection	Protection must be chosen based on level of activity and exposure.
Respiratory protection	No personal respiratory protective equipment normally required, In case of high dust concentration use a dust mask applicable to local conditions.
General safety and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust. Avoid contact with eyes. Avoid inhalation of dust. Wash soiled clothing immediately.

9. Physical and chemical properties

Physical state	Beadlet
Color:	Red to reddish-brown
Odor:	None to faint
Odor threshold:	Not available
pH:	Not applicable
Melting point:	Not available
Initial boiling point and boiling range:	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability:	Not available
Upper/Lower flammability or explosive limits:	Not available
Vapor pressure	Not applicable
Vapor density	Not applicable
Bulk Density	~0.6g/cm ³
Water solubility	Dispersible in water (20°C)
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available

10. Stability and reactivity

Reactivity:	No hazardous reactions if stored and handled as indicated.
Chemical stability:	The product is stable if stored and handled as indicated.
Possibility of hazardous reactions:	Dust explosion hazard.
Conditions to avoid:	Avoid moisture, dust formation and electro-static charge.
Incompatible materials:	Strong acids and strong bases. Strong oxidizing agents
Hazardous decomposition products:	No hazardous decomposition products if stored and handled as indicated

11. Toxicological information

Information on the likely routes of exposure:	Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.	
Acute toxicity:	LD50 > 20,000mg/kg (oral, rat)	*1
Irritation/corrosion:	Contact with dust can cause mechanical irritation or drying of the skin.	*1
Skin irritation:	Non-irritant	*1
Eye irritation:	Non-irritant	*1
Sensitisation:	Non-Sensitizing	*1
Mutagenicity:	Based on available Data, the classification criteria are not met.	*1
Carcinogenicity:	Based on available Data, the classification criteria are not met.	*1
Reproduction toxicity:	Based on available Data, the classification criteria are not met.	*1
Symptoms of Exposure:	Not available	

12. Ecological information

Ecotoxicity:	Quantitative data on the ecologic effect of this product are not available.
Persistence and degradability:	Not readily biodegradable.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.

13. Disposal considerations

Waste disposal of substance: Do not discharge into waterways or sewer systems without proper authorization. Dispose of in accordance with national, state and local regulations.

Container disposal: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

Land transport: Not classified as a dangerous good under transport regulations

Sea transport Not classified as a dangerous good under transport regulations

Air transport Not classified as a dangerous good under transport regulations

15. Regulation Information

Regulation Information In according with Regulation (EC) No 1272/2008 and 29 CFR part 1910.1200

16. Other information

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*1 referring to: Natural Lycopene

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