

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifiers:

Product Name: REVODE® Grade Name: REVODE711B Manufacturer's Name: ZHEJIANG HISUN BIOMATERIALS CO., LTD. Address: Room 301-07, No.293 Gongren Road, Jiaojiang District, Taizhou City, Zhejiang Province, P.R.China(318000) Emergency Telephone Number: +86-576-88827723 Fax Number for Information: +86-576-88827723

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	Cas No.	Percent (wt/wt)
Polylactide polymers	PLA	9051-89-2	$40 \sim 50\%$
Polybutylene Succinate	PBS	25777-14-4	$40 \sim 50\%$
Talc	Mg3H2Si4O12	14807-96-6	0~20%

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: This product with no health hazards reported from normal use. Thermal decomposition can create toxic vapors, gases or fumes.

Route of entry: Inhalation, skin contact, eye contact, ingestion.

Eye: Dust may cause irritation or corneal injury due to mechanical action. Fumes released during hot operation may cause eye irritation.

Skin: May cause skin irritation for certain people.

Ingestion: May be harmful if swallowed.

Inhalation: Fumes generated under heat may cause irritation to upper respiratory tract and lungs. **Note:** Read the entire MSDS for a more thorough evaluation of the hazards.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally to remove particles.

Seek medical aid.

Skin Contact: Wash exposed area with soap and water. If irritation persists, seek

medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse.

Thoroughly clean shoes before reuse.

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

Ingestion: Not a likely route of exposure. Induce vomiting if large quantities are swallowed. Get medical attention.



SECTION 5 - FIRE FIGHTING MEASURES

Fire Hazard Summary: This material is flammable if being heated strongly.

Extinguishing Media:Use water, water fog or foam, carbon dioxide or dry chemical to extinguish fires.

Special Information:As in any fire, wear a self-contained breathing apparatus in pressuredemand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air.

Combustion generates toxic fumes.

Unusual Hazards: None.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:Wear appropriate personal protective equipment as specified in Section VIII.

Environmental Precautions:This product is non-hazardous and may be discarded in accordance with applicable governmental regulations and take order with the demands of the environmental protection section.

Accidental Release Measures: Sweep, scoop or pick up spilled material, package for reclamation or recovery. Finish cleaning by spreading water on the contaminated surface. Any product recovery or disposal must comply with local, state, federal, international or country specific regulations.

SECTION 7 - HANDLING AND STORAGE

Handling: Keep far away from fire sources, heated or molten product when handling. Washing thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion.

Storage: Store in a cool, dry, and well-ventilated area and away from sources of ignition, excessive heat and direct sunlight. Keep container closed when not in use. Protect from physical damage. Separate from combustible and strong oxidizing agents. Put it lightly when packing and transport, prevent the packing and container from damage.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Signs and Symptoms of Exposure: There are no significant health hazards under normal conditions of use. Dust of the product may cause eyes and skin irritation. Harmful if swallowed. Prolonged breathing of vapors may cause respiratory irritation. Medical Conditions Generally Aggravated by Exposure: None known. Respiratory Protection (Specify Type): N/A Ventilation: Local Exhaust: Yes Mechanical (General): No



Special Other: No

Personal Protective Equipment:

Eye/Face Protection: Not expected to require eye/face protection in ordinary use. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166 and maintain eye wash fountain and quick-drench facilities in workshop.

Skin Protection: Not expected to require skin protection in ordinary use. But in workshop, appropriate gloves and impervious protective clothing, including boot, gloves, lab coat, apron or coveralls should be worn to prevent skin exposure.

Respiratory Protection: Not expected to require respiratory protection in ordinary use. But in workshop, respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN149 must be followed whenever workplace conditions warrant a respirator's use.

Protective Clothing: Not expected to require protective clothing in ordinary use. In workshop, use impervious protective clothing to avoid prolonged skin contact. Also use chemical goggles.

Additional protective measures: Wash after use and before eating, drinking or smoking.

Work/Hygienic Practices: NONE

Engineering Controls: None required in normal use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White spherical particles/odorless Solubility in Water: Insoluble. Specific Gravity (H2O=1): 1.35

SECTION 10 - STABILITY AND REACTIVITY

Stability: The product is considered stable under normal conditions. Hazardous Polymerization: Will not occur
Incompatibility - Materials to Avoid:
Incompatible with strong oxidizing agents.
Hazardous Combustion Products:
Combustion may produce carbon dioxide and carbon monoxide.
Conditions to Avoid:
Direct sunlight, excessive heat and physical damage.
Corrosive to Metals:
Not corrosive.

SECTION 11- TOXICOLOGICAL INFORMATION

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Believed to be safe.

Carcinogenicity (NTP) (IARC) (OSHA): Not listed as a carcinogen.

Teratogenicity and Embryotoxicity:

No human information was located.

Reproductive Toxicity:

No human or animal information was located.

Mutagenicity:

This product is not expected to be mutagenic. No human information or studies using live animals were located.

Toxicologically Synergistic Materials:

There is no information available.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Toxicity:

On the basis of available information, this product is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Put into dustbin, otherwise incineration, otherwise licensed landfill, or safe disposal as required by local, state, federal, international or country specific regulations.

Empty Container Warnings:

Empty containers may contain product residue, follow MSDS and label warnings even after they have been emptied.

SECTION 14 - TRANSPORT INFORMATION

US Department of Transportation Classification:

The product is not a DOT controlled material (United States).

International Air Transportation Association Classification:

This product is not classified as a hazardous material for transport under IATA regulations.

International Maritime Organization – IMDG:

This product is not classified as a hazardous material for transport under IMDG regulations.

UN, IMO, ADR/RID, ICAO Code:

This product is not classified as a hazardous material for conveyance under these codes.

The regulations may change from time to time. Please consult the most recent version of the relevant regulations.

EC label: N/A



SECTION 15 - REGULATORY INFORMATION

Contains: N/A Other regulation: N/A For details regulations you should contact the appropriate agency in your country.

SECTION XVI - OTHER INFORMATION

This data is offered in good faith as typical values and not as a product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. No warranty, either expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.