

Section 1. Product and Company Identification

Product Name Organic Tapioca Starch
CAS Number 9005-25-8

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Section 2. Hazards Identification

Classification of the substance or mixture

Not Classified

Hazards not otherwise classified (HNOC) or not covered by GHS - Combustible dust

Ingestion: No adverse effects expected.

Eye contact: May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Skin contact: Contact with skin may result in irritation. Can cause skin to dry out.

Inhalation: Breathing in dust may result in respiratory irritation.

Long Term Effects: No chronic effects reported.

Section 3. Composition / Information on Ingredients

Common Name Organic Tapioca Starch
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Section 4. First Aid Measures

Inhalation: Remove victim from area of exposure. Avoid becoming a victim. Seek medical advice if effects persist.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Eye Contact: If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Although swallowing is unlikely to cause problems, it is a sensible precaution to rinse the mouth with water and give a glass of water to drink.

Medical Attention and Special Treatment: Treat symptomatically.

Section 5. Firefighting Measures

Hazards from Combustion Products: Combustible solid.

Precautions for Fire Fighters and Special Protective Equipment: On burning, will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.

Suitable Extinguishing Media: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Section 6. Accidental Release Measures

Emergency Procedures: If contamination of sewers or waterways has occurred advise local emergency services.

Methods and Materials for Containment and Clean Up: Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up-wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.

Section 7. Handling and Storage

Conditions for Safe Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Keep containers closed when not in use - check regularly for spills.

Precautions for Safe Handling: Avoid skin and eye contact and breathing in dust. As is common with many organic chemicals, may form flammable dust clouds in air.

Section 8. Exposure Controls / Personal Protection

Starch: 8hr TWA = 10 mg/m³

As published by the National Occupational Health and Safety Commission. TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.

Eye Protection Requirements: Safety glasses recommended.

Glove Requirements: Gloves are not normally required for foreseeable conditions of use.

Clothing Requirements: Not applicable.

Change/Removal of Clothing: Not normally required.

Wash Requirements: Wash before eating, drinking, or using toilet facilities.

Respirator Requirements: NIOSH approved dust mask.

Section 9. Physical and Chemical Properties

Physical State: Powder
Color: White
Odor: Neutral
Solubility: Insoluble in water
Specific Gravity: Not available
Relative Vapor Density (Air=1): Not available
Vapor Pressure (20°C): Not available
Flash Point: Not available
Flammability Limits: As dust $\geq 15 \text{ g/m}^3$
Autoignition Temperature: Not available
Melting Point/Range: Not available
Decomposition Point: $> 150^\circ\text{C}$
pH: 4 - 7 (30% suspension)

Section 10. Stability and Reactivity

Chemical Stability: Stable under normal conditions of use.
Conditions to Avoid: Avoid dust generation.
Incompatible Materials: None known.
Hazardous Decomposition Products: Oxides of carbon.
Hazardous Reactions: None known.

Section 11. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Toxicological Data: No LD50 data available for the product.

Section 12. Ecological Information

Ecotoxicity: Avoid contaminating waterways.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

This section provided for general information only. The shipping description below may not represent requirements for all modes of transportation, packaging, shipping methods or locations outside of the United States. For more complete transportation regulatory information please refer to the shipping

documents accompanying the shipment of this product.

DOT Classification: Not regulated.

Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; Non-Dangerous Goods.

Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; Non-Dangerous Goods.

The information provided herein may not include the impact of additional regulatory requirements (e.g., for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/or marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

Section 15. Regulatory Information

USA

TSCA: This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.

FDA: 21CFR182.1.

International Classification

Based on available information, not classified as hazardous according to criteria of Safe Work Australia; Non-Hazardous Substance.

Poisons Schedule: None allocated.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

Health: 1

Flammability: 1

Reactivity: 0

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.