

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Catalog Numbers: ST5190-H, ST5190-E, ST5190-I, ST5190-J, ST5190-K, ST5190-M

Product Identity: Starch, Soluble and Hydrolyzed

Chemical Family: Not Applicable

Synonyms: Corn starch; Potato starch: iodine indicator.

Recommended Use: Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331

Emergency Contact Number (24hr): Chemtel (800) 255-3924

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Section 2 – Hazard Identification

Emergency Overview

May cause eye, skin, and respiratory irritation. Low hazard for industrial for commercial handling.

Appearance: White Powder **Odor:** Odorless

Target Organs: Eyes and skin.

Potential Health Effects/ Routes of Exposure:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Inhalation: May cause irritation.

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Aggravated Medical Conditions No information available.

These chemicals are not considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 –Composition, Information on Ingredients

Starch, CAS# 9005-84-9, 100% w/v

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.

Ingestion: Do not induce vomiting. Get medical assistance if symptoms occur.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Notes to Physician Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: No information available **Autoignition Temperature** 400C.

Explosion Limits Upper No data available **Lower** No data available

Extinguishing Media: Any means suitable for extinguishing fire.

Unsuitable Extinguishing Media: No information available.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information available
Sensitivity to mechanical impact No information available.
Sensitivity to static discharge No information available.
Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors
NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Personal Precautions Use proper personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation.
Environmental Precautions Liquid may be flushed to sewer if regulations allow.
Methods for Containment and Clean Up Sweep up or vacuum for disposal. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.
Storage: Keep container tightly closed in a cool, dry, well-ventilated area. Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Starch, CAS# 9005-84-9, ACGIH TLV: NA, OSHA PEL: NA
Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.
Personal Protection Equipment: Skin Protection: Chemical resistant gloves.
Eye/Face Protection: Safety Glasses or goggles. **Respiratory Protection:** Normal ventilation is adequate.

Section 9 – Physical and Chemical Properties

Appearance/Physical State: White powder	
Odor: Odorless	% Volatility: No Information Available
Boiling Point: No Information Available	Specific Gravity: 1.5
Melting Point: No Information Available	Vapor Pressure: Not Applicable
Vapor Density: Not Available	Flash Point: Not Applicable
Evaporation Rate: Not Available	Coefficient of water/oil distribution: Not Available
pH: 5.0-7.0 (2% Solution)	Odor Threshold: Not Available
Flammability: No Information Available	Decomposition Temperature: 200C
Solubility: Infinite	Partition Coefficient n-octanol/water: Not Available
Relative Density: No Information Available	Molecular Weight: Not Available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.
Incompatible Materials: Strong oxidizing agents.
Conditions to Avoid: Incompatible products, dust formation, excess heat.
Hazardous Decomposition Products: Oxides of carbon.
Hazardous Polymerization: Does not occur.
Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2
LD50 orl-rat: NA LC50 inhalation-rat: NA
Irritation: No Information Available
Toxicologically Synergistic: No Information Available
Chronic Exposure
Carcinogenicity There are no known carcinogens in this product.

Sensitization No information available.
Mutagenic Effects No information available.
Reproductive Effects No Information available.
Developmental Effects (Immediate/Delayed) No information available.
Teratogenicity No information available.
Other Adverse Effects No information available.
Endocrine Disruptor Information No information available.

Section 12 – Ecological Information

Ecotoxicity: Do not empty into drains.
Persistence and Degradability: No Information Available **Mobility:** No Information Available
Bioaccumulation/ Accumulation: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Dilute with water and flush to sewer. Always obey local/state/federal regulations.

Section 14 – Transport Information

DOT – Not Regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.
Canada DSL: These chemicals are on Canada's DSL list.
TSCA: These chemicals are exempt from reporting under the Inventory Update Rule.
SARA Title III Section 313: Not Applicable
RCRA Status: Not Applicable
CERCLA Reportable Quantity: Not Applicable
WHMIS: Not controlled.
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16 – Additional Information

Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.