



SAFETY DATA SHEET

1. Identification:

Product Identifier: Starch Solution, Aqueous

Product code: BS8836=0.1% (w/v) BS8542 = 0.4% (w/v) BS4535 = 1% (w/v) BS8550=0.25% (w/v)
BS8805 =2% (w/v) BS8804 = 3% (w/v) BS8530 = 5% (w/v)

Synonym(s): Starch Indicator Solution

Recommended use: Manufacture of other chemical products, professional, scientific, and technical activities.

Recommended restrictions: None known.

Manufacturer/Supplier/Distributor Information

Company name: Biopharm Inc.

Address: 187 South Tilley Road
Hatfield, AR 71945

Telephone: (870) 389-6114

Website: www.bphchem.com

E-mail: support@bphchem.com

Emergency phone number: Chemtrec 800-424-9300

2. Hazard(s) identification:

Classification: None. (Hazards do reach threshold required for least severe category.)

Label elements: None. (Hazards do reach threshold required for least severe category.)

Signal word: None. (Hazards do reach threshold required for least severe category.)

Hazard statement: This mixture does not meet the criteria for classification.

Precautionary statement:

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store bottles tightly capped and upright. Keep in a cool place away from direct sunlight.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None.

3. Composition/information on ingredients

Mixtures

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Starch	9005-25-8	0.1 – 5.0
Salicylic Acid	69-72-7	< 1
Water	7732-18	Balance

4. First-aid measures

Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion:	Never give anything by mouth to an unconscious person. Obtain medical assistance.
Skin contact:	Immediately flush with cool, running water for at least 15 minutes. Seek medical attention if irritation occurs
Eye contact:	Immediately flush with cool, running water for at least 15 minutes, occasionally lifting upper and lower lids to ensure rinsing under them. Seek medical aid if irritation continues.
Most important symptoms/effects, acute and delayed:	Not A hazardous substance or mixture.
General information:	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:	Any media necessary for extinguishing the surrounding fire.
Unsuitable extinguishing media:	No information available.
Specific hazards arising from the chemical	None known.
Special protective equipment and precautions for firefighters	Wear approved self-contained protective clothing.
Fire-fighting equipment/instructions	Any media necessary for extinguishing the surrounding fire.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	Keep unnecessary personnel away.
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Methods and materials for containment and cleaning up:	Wash spill area with soap and water. Prevent further leakage or spillage if safe to do so. Never return spills to original containers for reuse. For waste disposal, see section 13 of the SDS.
Environmental precautions:	None identified.

7. Handling and storage

Precautions for safe handling:	Avoid prolonged exposure. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store bottles tightly capped and upright. Keep in a cool place away from direct sunlight. Store away from incompatible materials.

8. Exposure controls/personal protection

Exposure Guidelines:

<u>Component</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Starch	10 mg/m ³ ppm (STEL/CEILING)	15 mg/m ³ ppm (STEL/CEILING)
Salicylic Acid	NA	NA

Engineering measures:	Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.
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Personal protective equipment:

Eye/face protection:	Wear protective eyeglasses or chemical safety goggles.
Skin and body protection:	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance:	Shimmery, translucent
Odor:	Odorless.
Odor threshold:	No data available.
Vapor Pressure (mm Hg):	No data available.
Vapor density (Air = 1):	No data available.
pH:	No data available.
Relative density:	1.005 g/cm ³
Melting point/freezing point:	No data available.
Solubility in Water:	Complete
Boiling Point (°F):	No data available.
Flash point:	Non-flammable.
Evaporative Rate (H₂O = 1):	No data available.

Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit - lower	Not applicable.
Flammability limit - upper	Not applicable.
Explosive limit - lower	Not applicable.
Explosive limit - upper	Not applicable.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Other information:	
Specific Gravity (H ₂ O = 1):	No data available.
Percent Volatile by Volume:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	None known.
Incompatible materials:	No data available.
Hazardous decomposition products:	May form carbon monoxide and carbon dioxide when heated to decomposition.

11. Toxicological information

Information on likely routes of exposure:

Ingestion:	Expected to be a low ingestion hazard.
Inhalation:	No data available.
Skin Contact:	No adverse effects due to skin contact are expected.
Eye Contact:	May cause mild irritation.

Information on toxicological effects

Acute toxicity	No data available.		
<u>Component</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Starch	No data	No data	No data
Salicylic Acid	891 mg/kg (Rat)	> 2,000 mg/kg (Rat)	> 900 mg/m ³ (Rat)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	May cause irritation to skin on contact.
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Serious eye damage/irritation	May cause irritation to eyes on contact.
Respiratory Sensitization	No data available.
Skin sensitization	No data available.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, NTP, or OSHA.
Mutagenic effects	No data available.
Reproductive effects	No data available.
STOT – single exposure	No data available.
STOT – repeated exposure	No data available.
Aspiration hazard	No data available.
Chronic effects	No data available.

12. Ecological information

Ecotoxicity:	Not expected to be harmful to aquatic animals.
Persistence and degradability:	No data available
Bioaccumulation/Accumulation:	No data available
Mobility in soil:	No data available
Other adverse effects:	No adverse environmental effects (e.g. ozone depletion, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Waste disposal methods:	To be performed in compliance with all current local, state and federal regulations. Spills onto sand, soil, or other absorbent may be handled by placing the affected soil into approved containers then label and store for proper treatment or disposal.
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14. Transport information

DOT:	Not regulated as dangerous goods.
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15. Regulatory information

U.S. Federal regulations	
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated
U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not regulated
CERCLA Hazardous Substances List (40 CFR 302.4)	Not listed
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard Categories	Immediate Hazard – No
	Delayed Hazard – No
	Fire Hazard – No

Pressure Hazard – No
Reactivity Hazard – No

Other Federal regulations

Clean Air Act Not applicable

Clean Water Act Not applicable

California Prop 65 This product does not contain any Proposition 65 chemicals.

16. Other information, including date of preparation or last revision

Revision date February 16, 2024

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