

Starch Ind Solution, 1.0%

Safety Data Sheet



Section 1

Product Description

Product Name: Starch Ind Solution, 1.0%
Manufacturer number: ST5010-B
Distributor: Best Sanitizers, Inc.
PO Box 1360 Penn Valley, CA 95946
Chemical Information Emergency:
Aquaphoenix Scientific 1.800.255.3924

Section 2

Hazard Identification

Classification of the substance or mixture:

Serious eye damage Category 1
Skin irritant Category 2

Danger



Appearance—Translucent
Physical state—Liquid
Odor— Slight Potato Odor

Hazard Statements

Causes serious eye damage.
Causes skin irritation.

Precautionary Statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Wash skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not eat, drink or smoke when using this product.
Keep only in original container.

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IF ON SKIN (or hair): Remove/Takeoff immediately all contaminated clothing. If skin irritation occurs: Get medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Specific treatment (see Section 4).

In case of fire: Use media appropriate for extinction. Store locked up.

Store in a well ventilated place. Store in corrosive resistant stainless steel container with a resistant inner liner. Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulation.

Precautionary Statements—Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

None.

Other Information

No ingredients of Unknown Acute Toxicity.

Section 3

Composition/Information on Ingredients

Chemical Name	CAS No.	Weight-%
Salicylic Acid	69-72-7	0.1
Starch	9005-84-9	1
Zinc Chloride	7646-85-7	0.4
Acetic Acid	64-19-7	0.36

Section 4

First Aid Measures

First Aid Measures

Eye Contact

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Get medical advice/attention.

Skin Contact

Wash affected area with soap and water. Rinse/flush exposed skin gently using water for 15-20 minutes. Get medical attention if irritation persists or if concerned.

Inhalation

Remove to fresh air. Seek immediate medical attention if discomfort or irritation persists.

Ingestion

Rinse mouth thoroughly. Do NOT induce vomiting.

Drink sips of water.

Seek medical attention if irritation, discomfort or vomiting persists.

Most important symptoms and effects, both acute and delayed:

Irritation. Nausea. Headache. Shortness of breath.

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Indication of any immediate medical attention and special treatment needed

If seeking medical attention, provide SDS document to physician.

Section 5

Fire-Fighting Measures

Suitable Extinguishing Media

If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate suppression agents for adjacent combustible materials or sources of ignition. Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Unsuitable Extinguishing Media

Water or foam may cause frothing.

Specific hazards arising from the chemical

Combustion products may include carbon oxides or other toxic vapors. Use water spray to cool unopened containers.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid contact with skin, eyes and clothing. Move product containers away from fire or keep cool with water spray as a protective measure, where feasible.

Section 6

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Keep unprotected persons away. Keep away from ignition sources. Protect from heat. Contained spilled material by diking or using inert absorbent.

Environment Precautions

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

Methods for cleaning up

Use clean non-sparking tools to collect absorbed material. May be ignited by friction, heat, sparks or flames. Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water. Place in properly labeled containers. If in a laboratory setting, follow Chemical Hygiene Plan procedures.

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Section 7

Handling and Storage

Precautions for Safe Handling

Advice on Safe Handling

Avoid contact with skin, eyes and clothing. Absorb spillage to prevent material damage.
Wash hands after handling. Follow good hygiene procedures when handling chemical materials.
Avoid contact with skin, eyes and clothing. Do not Eat, Drink, or Smoke when using this product.
Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Storage Conditions/ Incompatible materials

Keep Containers tightly closed in a dry, cool and well-ventilated place. Avoid storage near extreme heat, ignition sources or open flame. Keep away from foodstuffs. Store from oxidizing agents. Protect from freezing and physical damage. Keep away from food and beverage. Store away from incompatible materials.

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Section 8

Protection Information

Exposure Guidelines

Control Parameters: 7646-85-7, Zinc Chloride, ACGIH TLV TWA: 1 mg/m³
7646-85-7, Zinc Chloride, OSHA PEL TWA: 1 mg/m³
64-19-7, Acetic Acid, ACGIH TLV: 25 mg/m³
64-19-7, Acetic Acid, OSHA PEL TWA: 25 mg/m³

Appropriate Engineering Controls

Engineering Controls Emergency eyewash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits.

Individual Protection Measures, such as personal protective equipment

Eye/Face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear impermeable and resistant to the product/ substance/preparation protective gloves. Selection of glove material on consideration of the penetration times, rates of diffusion and degradation.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product. Do not inhale gases/fumes/dust/mist/vapors/aerosols. Avoid contact with the eyes and skin.

Section 9

Physical and Chemical Properties

Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Liquid
Odor:	Slight Potato	Appearance:	Aqueous solution
Odor Threshold:	Not Determined	Color:	Translucent

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<u>Property</u>	<u>Values</u>
pH	Not Determined
Meting Point/Freezing Point	Not Determined
Boiling Point/Boiling Range	Not Determined
Flash Point	Not Determined
Evaporation rate	Not Determined
Flammability (solid, gas)	Not Determined
Flammability Limit in Air	
Upper flammability limit:	Not Determined
Lower flammability limit:	Not Determined
Vapor pressure:	Not Determined
Vapor density:	Not Determined
Specific Gravity	Not Determined
Water solubility	Infinite Solubility in water
Partition coefficient	No information available
Autoignition temperature	Not Determined
Decomposition temperature	Not Determined
Kinematic viscosity	No information available
Dynamic viscosity	No information available

Section 10

Stability and Reactivity Data

Reactivity	Nonreactive under normal conditions.
Chemical Stability	No decompostion if used and stored according to specifications.
Possibility of Hazardous Reactions	No information available.
Conditions to avoid	Incompatible products.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides (CO, CO ₂). Fumes of hydrogen chloride and hydrogen in contact with metals. Oxides of carbon.

Section 11

Toxicity Data

<u>Information on toxicological effects</u>	
Oral	Salicylic Acid LD50 Rat: 891 mg/kg
Sensitization	No Information Available
Germ cell mutagenicity	No Information Available
Carcinogenicity	
Reproductive toxicity	No Information Available

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Section 12

Ecological Data

Ecotoxicity

None.

Persistence and degradability

Readily Biodegradable.

Bioaccumulation

Not Bioaccumulative.

Mobility

None.

Other adverse effects

None.

Section 13

Disposal Information

Waste treatment methods

Disposal of wastes

Dilute with water and flush to sewer. All chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not dispose together with household garbage.

Section 14

Transport Information

DOT

None

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Section 15

Regulatory Information

International Inventories

TSCA	Complies
DSL/NDSL	Complies

Legend:

TSCA—United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL— Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA).

7646-85-7 Zinc Chloride

SARA 311/312

Acute

CERCLA

7646-85-7 Zinc Chloride 1000 lb

1310-58-3 Potassium Hydroxide 1000 lb

64-19-7 Acetic Acid 5000

US State Regulations

California Proposition 65

None of the ingredients is listed.

Section 16

Additional Information

<u>NFPA</u>	<u>Health Hazards</u>	<u>Flammability</u>	<u>Instability</u>	<u>Physical and Chemical Properties</u>
	1	0	0	0
<u>HMIS</u>	<u>Health Hazards</u>	<u>Flammability</u>	<u>Physical Hazards</u>	<u>Personal protection</u>
	1	0	0	X

Prepared by: Technical Department

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Disclaimer

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End of Safety Data Sheet