

SAFETY DATA SHEET



1. IDENTIFICATION

Product identifier

Product Name Starch Ind Solution 1.0% / ST5010-B

Recommended use of the chemical and restrictions on use

Recommended use Industrial use

Distributor Address

Best Sanitizers, Inc.
PO Box 1360
Penn Valley, CA 95946

Emergency telephone number


Emergency Phone Numbers For Transportation Emergencies, call
Aquaphoenix Scientific 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

Not Classified for physical or health hazard.

Physical hazards		
None		
Health hazards		
Serious eye damage		Category 1
Skin Irritant		Category 2
Environmental hazards		
None		

Signal word	Danger		
Hazard statements	Causes serious eye damage. Causes skin irritation.		
			
Appearance	Translucent	Physical State	Liquid
		Odor	Slight Potato Odor

Precautionary Statements - Prevention

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.

Precautionary Statements - Response

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.

Precautionary Statements - Storage

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

None

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	

4. FIRST AID MEASURES

First Aid Measures	
Eye Contact	Hold eye(s) open and rinse slowly and gently with water 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 with water. Rinse/flush exposed skin gently using water for 15-20 minutes. Get medical attention if irritation persists or if concerned.
Inhalation	Move 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.

Indication of any immediate medical attention and special treatment needed.

If seeking medical attention, provide SKS document to physician.

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.

Specific Hazards Arising from the Chemical

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

Unsuitable extinguishing media

Water or foam may cause frothing.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

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

Methods for cleaning up 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.

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 container tightly closed in a cool, dry and well-ventilated location. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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 gloves. Selection of the glove material on consideration of the penetration times, rates of diffusion and the 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.

Hygiene Measures 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odor	Slight Potato Odor
Appearance	Aqueous Solution	Odor Threshold	Not determined
Color	Translucent		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	Not Determined	None known
Melting/freezing point	Not Determined	None known
Boiling point / boiling range	Not Determined	None known
Flash Point	Not Determined	None known
Evaporation rate	Not Determined	None known
Flammability (solid, gas)	Not Determined	None known
Flammability Limits in Air		
Upper flammability limit	Not Determined	None known
Lower flammability limit	Not Determined	None known
Vapor pressure	Not Determined	None known
Vapor density	Not Determined	None known
Specific Gravity	Not Determined	None known
Water Solubility	Infinite solubility in water	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

10. STABILITY AND REACTIVITY

Reactivity

Nonreactive under normal processing.

Chemical stability

Stable under recommended storage conditions. Light Sensitive.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Store away from oxidizing agents, strong acids or bases, Incompatible materials.

Incompatible materials

Strong acids. Strong bases.

Hazardous Decomposition Products

Nitrogen oxides (NOx). Carbon oxides..

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Oral	Salicylic Acid	LD50 Rat: 891 mg/kg
Sensitization	No Information Available	
Germ cell mutagenicity Carcinogenicity	No Information Available	
Reproductive toxicity	No Information Available	

12. ECOLOGICAL INFORMATION

Ecotoxicity

None

Persistence and Degradability

Readily biodegradable.

Bioaccumulation potential

No bioaccumulative.

Mobility in soil

None.

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal methods

Dilute with water and flush to sewer. All chemical was 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 regulation Do not dispose together with household garbage.

14. TRANSPORT INFORMATION

DOT

Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL/NDSL Complies

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

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

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).
7646-85-7 Zinc Chloride

SARA 311/312 Hazard Categories

Acute

CERCLA

7646-85-7 Zinc Chloride 1000lb

1310-58-3 Potassium Hydroxide 1000lb

64-19-7 Acetic Acid 5000

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard 1	Flammability 0	Instability 0	Personal Protection 0
<u>HMIS</u>	Health Hazard 1	Flammability 0	Physical Hazards 0	Personal Protection X

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General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet