

SAFETY DATA SHEET



1. IDENTIFICATION

Product identifier

Product Name Total Chelant Indicator Powder

Other means of identification

Synonyms TC1050-H

Distributor Address

Best Sanitizers, Inc.
PO Box 1360
Penn Valley, CA 95946
Toll Free: 888-225-3267

Emergency telephone number

For Transportation Emergencies, call
AquaPhoenix Scientific:
1-800-225-3924


Emergency Phone Numbers

2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity (oral)	Category 4
-----------------------	------------

Signal word	Warning
Hazard statements Harmful if swallowed.	
	
Appearance Aqueous Solution	Physical State Liquid
	Odor Mild Odor

Precautionary Statements - Prevention

Wash skin thoroughly after handling.
Do not eat, drink, or smoke when using this product.

Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physicianh if necessary.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Ascorbic Acid	50-81-7	90.22	
Methylthymol Blue	7220-79-3	0.25	
Sodium Fluoride	7681-49-4	5.51	
Silicon Dioxide	7631-86-9	4.01	

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). If eye irritation persists: Get medical advice/attention.

Skin Contact

Rinse affected area with soap and water. If symptoms develop or persist, seek medical attention.

Inhalation

Remove to fresh air. If signs/symptoms continue, get medical attention.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call physician.

Most important symptoms and effects, both acute and delayed

Symptoms

See Section 11 for symptom information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, Water spray (fog), Carbon dioxide (CO₂), Foam.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors

Hazardous Combustion Products

Not determined.

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. Cool containers with flooding quantities of water until well after fire is out.

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.
For emergency responders	Isolate area. Keep unnecessary personnel away.

Environmental 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.
--------------------------------	---

7. HANDLING AND STORAGE

Precautions for safe handling

Handling	Do not eat, drink, smoke or use personal products when handling chemical substances. Avoid breathing mist or vapor.
-----------------	---

Conditions for safe storage, including any incompatibilities

Storage	Keep Containers tightly closed in a dry, cool and well-ventilated place.
----------------	--

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Fluoride 7681-49-4	2.5 mg/m ³ . as F)	TWA: 2.5 mg/m ³ . as F	TWA: 2.5 mg/m ³
Silicon Dioxide 7631-86-9	-	TWA: 15 mg/m ³	3000 mg/m ³ TWA: 6 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Avoid contact with eyes.

Skin and Body Protection No protective equipment is needed under normal use conditions.

Respiratory Protection No protective equipment is needed under normal use conditions.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Powder	Odor	Odorless
Appearance	Powder	Odor Threshold	No information available
Color	Orange Beige		
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>	
pH	Not available	None known	
Melting/freezing point	No data available	None known	

Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	1.0	None known
Water Solubility	Soluble	None known
Solubility in other solvents	No data available	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

Does not react under normal conditions of use and storage.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal conditions of use and storage.

Conditions to avoid

None known.

Incompatible materials

Strong oxidizing agents, strong acids, heat sparks, open flame, other ignition sources.

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide (CO₂). Nitrogen.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	No irritant under normal use.
Eye Contact	Can be irritating to eyes.
Skin Contact	No irritant under normal use.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Fluoride	= 52 mg/kg	>10 g/kg (Rabbit)	>570 mg/m ³ (Rat) 1 h
Isopropyl alcohol 67-63-0	4.4 g/kg (Rat)	12.9 g/kg (Rabbit)	16000 (Rat, 8 h)
4-Chloro-3, 5 xyleneol (Chloroxylenol) 88-04-0	= 500 mg/kg	>2000 mg/kg (Rat)	>6.29mg/L (Rat)

Information on toxicological effects

Symptoms No Information Available

Ecotoxicity

Persistence and Degradability

No information available.

Bioaccumulation

Chemical Name	Partition Coefficient
Isopropyl alcohol 67-63-0	0.05

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT

Non-hazardous

15. REGULATORY INFORMATION

Chemical Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

