# **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.



AppearanceAqueous SolutionPhysical StateLiquidOdorMild 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 (CO<sub>2</sub>), Foam.

#### Specific Hazards Arising from the Chemical

Thermal decomposition can leat 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<br>7681-49-4 | 2.5 mg/m <sup>3,</sup> as F) | TWA: 2.5 mg/m <sup>3,</sup> as F | TWA: 2.5 mg/m <sup>3</sup>                         |
| Silicon Dioxide<br>7631-86-9 | -                            | TWA: 15 mg/m <sup>3</sup>        | 3000 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup> |

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 hygience and safety practice.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **Physical and Chemical Properties**

Physical State Powder

Appearance Powder Odor Odorless

ColorOrange BeigeOdor ThresholdNo information available

Property Values Remarks/ Method

**pH** Not available None known

Melting/freezing point No data available None known

Boiling point / boiling rangeNo data availableNone knownFlash PointNo data availableNone knownEvaporation rateNo data availableNone knownFlammability (solid, gas)No data availableNone knownFlammability 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

No data available

# 10. STABILITY AND REACTIVITY

None known

#### Reactivity

Does not react under normal conditions of use and storage.

#### **Chemical stability**

Dynamic viscosity

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 (CO<sub>2</sub>). 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/m³ (Rat) 1 h |  |
| Isopropyl alcohol<br>67-63-0                        | 4.4 g/kg (Rat) | 12.9 g/kg (Rabbit) | 16000 (Rat, 8 h)     |  |
| 4-Chloro-3, 5 xylenol<br>(Chloroxylenol)<br>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<br>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

#### **U.S. EPA Label Information**

**EPA Pesticide Registration Number**Not Applicable

#### **U.S. Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

| Acute Health Hazard               | No |
|-----------------------------------|----|
| Chronic Health Hazard             | No |
| Fire Hazard                       | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard                   | No |

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

# U.S. State Right-to-Know Regulations

| Chemical Name                | New Jersey | Massachusetts | Pennsylvania | Rhode Island |
|------------------------------|------------|---------------|--------------|--------------|
| Isopropyl alcohol<br>67-63-0 | Χ          | Х             | Х            | Х            |

# **16. OTHER INFORMATION**

HMIS Health Hazard 1 Flammability 0 Physical Hazards 0 Personal Protection B (safety

glasses, gloves)

Prepared By Technical Department Preparation/Revision Date January 1, 2025

Version

Reference

#### **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**