

Total Chelant Indicator Powder

Safety Data Sheet



Section 1

Product Description

Product Name: Total Chelant Indicator Powder
Manufacturer Number: TC1050-H
Distributor: Best Sanitizers, Inc.
PO Box 1360 Penn Valley, CA 95946

Emergency telephone number:
Aquaphoenix Scientific 1.800.255.3924

Section 2

Hazard Identification

Not Classified for physical or health hazard.

Hazards Not Otherwise Classified--Combustible Dust.

Warning

Hazard Statements: None

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Do not Eat, Drink, or Smoke when using the product. May form combustible concentrations in air (during processing).

Section 3

Composition/Information on Ingredients

Chemical Name	CAS No.	Weight-%
Ascorbic Acid	50-81-7	> 94.235
Sodium Fluoride	7681-49-4	< 5.514
Methylthymol Blue, Sodium Salt	110-44-1	< 0.251

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

Skin Contact

Wash off immediately with soap and plenty of water. Rinse/flush exposed skin gently using water for 15-20 minutes. Get medical attention if discomfort or irritation persists.

Inhalation

Remove to fresh air. If necessary, provide artificial respiration. Loosen clothing and position individual in a comfortable position. Get medical assistance if cough or other symptoms appear.

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Ingestion

Do NOT induce vomiting. Rinse mouth thoroughly. Have exposed individual drink sips of water. Dilute with water or milk. Immediately seek medical attention.

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

Note to physicians

Treat symptomatically.

Section 5

Fire-Fighting Measures

Suitable Extinguishing Media

Dry Chemical, Water spray, Carbon dioxide (CO₂), Foam.

Unsuitable Extinguishing Media

No Information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. Combustion products may include carbon oxides or other toxic vapors.

Protective Equipment and Precautions for Firefighters

For emergency responders, personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Transfer to a dioposal. Isolate area. Keep unnecessary personnel away. Avoid generating dust. avoid contact with skin, eyes and clothing.

Environmental Precautions

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

Section 6

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

If necessary use trained response staff or contractor. Wear protective eyeware, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations. Ensure adequate ventilation.

Methods and material for containment and cleaning up

If necessary use trained response staff or contractor. Wear protective eyeware, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations. Keep in suitable closed containers for disposal. Dust deposits should not be allowed to accumulate on surfaces, as they may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air. Collect solids in powder form using a vacuum.

Section 7

Handling and Storage

Precautions for Safe Handling

Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Minimize dust generation and accumulation. Do not Eat, Drink, Smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials. Avoid storage near extreme heat, ignition sources or open flame. Store like hazards.

Section 8

Protection Information

7681-49-4 Sodium fluoride, OSHA TWA 2.5 mg/m³ 7681-49-4 Sodium fluoride, NIOSH TWA 2.5 mg/m³ 7681-49-4 Sodium fluoride, ACGIH TWA 2.5 mg/m³

Appropriate Engineering Controls

Showers, eyewash stations, ventilation system.

Individual Protection Measures, such as personal protective equipment

Eye/Face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Select glove material impermeable and resistant to the substance. Use proper glove technique without touching outer surface.
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 Considerations	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.

Section 9

Physical and Chemical Properties

Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Powder
Odor:	Not Determined	Color:	Orange Beige
Odor Threshold:	No Information Available		

<u>Property</u>	<u>Values</u>
pH	Not Determined
Melting Point/Freezing Point	Not Determined
Boiling Point/ Boiling Range	Not Determined
Flash Point	Not Determined
Evaporation rate	Not Determined
Flammability (solid, gas)	Not Determined

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Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure:	No information available
Vapor density:	Not Determined
Specific Gravity	Not Determined
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Section 10

Stability and Reactivity Data

Reactivity	None under normal processing.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to avoid	Incompatible materials. Avoid dust and moisture.
Incompatible materials	Oxidizing agents.
Hazardous Decomposition Products	Acrid smoke and irritating fumes.

Section 11

Toxicity Data

Acute Toxicity:	
Chronic Toxicity:	50-81-7 LD50 Oral--Rat 11,900 mg/kg 7681-49-4 TDLo Oral--Human 0.214 mg/kg 7681-49-4 TDLo Oral--Human-female 7 mg/kg
Corrosion Irritation:	7681-49-4 Skin corrosion/irritation, Irritating to skin. 7681-49-4 Eyes-Rabbit Result: Eye irritation- 24h Remarks: Moderate eye irritation.
Sensitization:	No additional Information.
Numerical Measures:	No additional Information.
Carcinogenicity:	Total Chelant Powder: Animal studies have reported the development of tumors effects.
Mutagenicity:	Total Chelant Powder: Laboratory experiments have resulted in mutagenic effects.
Reproduce Toxicity:	No additional Information.

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Section 12

Ecological Data

Ecotoxicity

7681-49-4: mortality NOEC- Cyprinodon variegatus (Sheepshead minnow) 500 mg/l 96h

7681-49-4: LC50 Oncorhynchus mykiss (rainbow trout) 200mg/l 96h

7681-49-4: EC50 Daphnia magna (Water flea) 98 mg/l 48h

Persistence and degradability

None.

Bioaccumulation potential

7681-49-4: Bioaccumulation Salmo trutta 10 d 5mg/l

7681-49-4: Bioconcentration factor (BCF): 2.3.

Mobility in soil

None.

Other adverse effects

No information available

Section 13

Disposal Information

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

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

Section 14

Transport Information

DOT:

Not Regulated

Section 15

Regulatory Information

International Inventories

TSCA

Complies

DSL/NDSL

Complies

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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). 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

Chronic

CWA (Clean Water Act)

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

CERCLA

None of the ingredients is listed.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Section 16

Additional Information

<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal protection
	1	1	1	X

Prepared by: Technical Department

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Disclaimer

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End of Safety Data Sheet