



Section 1 - Identification

Product Name: Microbicide 98
Alternate Name: Microbicide 98 (internal# CPL4072)
Recommended Use: Biocide / biodispersant
Manufacturer: Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611
ChemTrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

WARNING



May cause an allergic skin reaction

Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
IF ON SKIN: Wash with plenty of water.
IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	1-5%
2-methyl-4-isothiazolin-3-one	2682-20-4	<1%

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation Remove subject to fresh air. If breathing become difficult, administer oxygen and seek medical attention.

Eye Contact Immediately flush eyes with large amounts of water for at least 15 minutes. Seek medical attention immediately.

Skin Contact Immediately flush contacted area with water. Remove contaminated clothing immediately and wash before reuse.

Ingestion Do not induce vomiting, give large quantities of milk, egg white, or gelatin solution. If unavailable, large amount of water. Avoid alcohol.

Symptoms of Overexposure:

Inhalation May cause irritation of the mucous membranes of the nose and throat.

Contact with Skin or Eyes May cause severe irritation and corneal injury.



Absorption Through Skin May cause severe irritation. Material is a skin sensitizer even at low concentrations, to susceptible people.

Ingestion May cause irritation and/or burns to mucous membranes.

Section 5 - Fire-fighting measures

Extinguishing Media water spray, dry chemical, appropriate foam

Fire Fighting Procedure Wear full protective clothing and use self contained breathing apparatus. Use water spray to cool fire exposed containers.

Unusual Fire/Explosion Hazard During a fire, irritating and/or toxic gases and aerosols from the decomposition/combustion products may be present. Do not allow solution to evaporate to dryness; dry nitrates in combination with organic material may be explosive.

Hazardous Combustion Products Oxides of carbon

Section 6 - Accidental release measures

Spill Response Procedure Contain spill. Deactivate spilled material with decontamination solution (sodium bisulfite). Collect decontaminated material with inert absorbent. Scoop up and place in a marked container for proper disposal. Wear protective clothing. Keep spill out of municipal sewers and open bodies of water.

Section 7 - Handling and storage

Handling Precautions Protect containers from extreme temperature conditions. Workers should wash thoroughly after using product.

Storage Conditions Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods.

Section 8 - Exposure controls/personal protection

Chemical Name	OSHA PEL	ACGIH TLV
5-chloro-2-methyl-4-isothiazolin-3-one	not listed	0.1 mg/m ³ TWA
2-methyl-4-isothiazolin-3-one	not listed	0.1 mg/m ³ TWA

Ventilation Mechanical (general) exhaust required.

Respiratory Protection Not required under normal handling conditions. Wear NIOSH approved respirator if aerosol or mist is encountered.

Protective Gloves Impermeable gloves.

Eye Protection Face shield.

Other Protective Equipment Impermeable boots and coveralls or apron. Emergency eyewash and shower.

Work / Hygienic Practices Material is a strong irritant to skin and eyes. Avoid bodily contact.

Section 9 - Physical and chemical properties

Appearance	Pale green liquid.	Vapor Pressure @20°C	Like Water
Odor	Mildly aromatic	Vapor Density	Like Water
Odor Threshold	Not Determined	Specific Gravity	1.02-1.04
pH	N/A	Solubility in Water	Complete
Melting Point, °F	N/A	Partition Coefficient	Not Determined



Boiling Point, °F	212 deg F	Auto Ignition Temp, °F	Non Flammable
Flash Point, °F	Not Flammable	Decomposition Temp, °F	Not Determined
Evaporation Rate	Like Water	Viscosity	Not Determined
Flammability Limits	N/A	Percent Volatile	N/A

Section 10 - Stability and reactivity

Reactivity	in water: N/A
Stability	stable under normal conditions
Conditions to Avoid	N/A
Incompatible Materials	Strong oxidizers
Hazardous Decomposition Products	Thermal decomposition may yield oxides of carbon, sulfur, nitrogen, and hydrogen chloride gas.
Hazardous Polymerization	Hazardous polymerization will not occur.

Section 11 - Toxicological information

Routes of Entry	inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms	No TLV established - LD50 = 3.8 gm/kg (rat).
Chronic Exposure Effects	N/A
Medical Conditions Aggravated By Exposure	Skin sensitizer. May cause severe irritation to susceptible individuals.

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	3810 mg/kg	>5000 mg/kg	1.4 mg/L
2-methyl-4-isothiazolin-3-one	2682-20-4	3810 mg/kg	>5000 mg/kg	1.4 mg/L

Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

Chemical Name	CAS Number:	IARC	NTP	OSHA
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No	No	No
2-methyl-4-isothiazolin-3-one	2682-20-4	No	No	No

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Dispose of in a secured landfill in accordance with local, State and Federal regulations.

Section 14 - Transport information

DOT Shipping UN1760, CORROSIVE LIQUID, N.O.S., 8, PG II,
(5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE, 2-METHYL-4-ISOTHIAZOLIN-3-ONE)

Section 15 - Regulatory information

California Proposition 65 This product does not contain chemicals listed by California proposition 65.



HMIS Ratings

Health: 3, Flammability: 0, Reactivity: 0

Section 16 - Other information

Date Prepared 5/22/2015

Preparer Michael Bortnik

The data in this Safety Data Sheet is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Chem Pro Laboratory, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should have relative technical skills and satisfy himself that he has all current data relevant to his particular product and its applications.