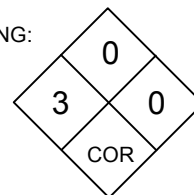




NFPA RATING:

4=Severe  
3=Serious  
2=Moderate  
1=Slight  
0=Minimal



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **7423**  
PRODUCT DESCRIPTION: *Microbiocide*

COMPANY INFORMATION:  
**Chemicals Inc.**  
13560 Colombar Court  
Fontana, California 92337  
Non-emergency: 951-681-9697

Revised: May 1<sup>st</sup>, 2012

**24-HOUR EMERGENCY TELEPHONE:**  
INFOTRAC: 1-800-535-5053  
INTERNATIONAL#: 1-352-323-3500

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

Clear, pale green liquid  
Pungent odor  
DANGER: Product is considered a corrosive material. Harmful if absorbed through the skin. May cause burning of eyes and skin. Harmful if swallowed. May cause severe irritation to mouth, throat, esophagus and stomach. Harmful if inhaled. May cause irritation to mucous membranes and respiratory tract. Avoid contact. Wear a face shield, gloves and protective apron when handling. Wash thoroughly after handling.

\*\*\* In the event of incident, please refer to Emergency Response Guide 153. \*\*\*

**POTENTIAL HEALTH EFFECTS**     Eye contact     Skin contact     Ingestion     Inhalation

**EYE CONTACT:** Exposure to liquid product may cause severe irritation to eyes, and possibly burns or eye damage. Symptoms of exposure may include redness, swelling, tearing or pain. Avoid contact.

**SKIN CONTACT:** Exposure to liquid product may cause moderate to severe irritation to skin, and possible burns. Symptoms of exposure may include redness, itching or pain. May cause sensitizing of skin in some individuals. May cause allergic contact dermatitis in some individuals. Avoid contact.

**INGESTION:** Exposure to liquid product may cause moderate to severe irritation to inner linings of mouth, esophagus and gastrointestinal tract. May be fatal if ingested. Do NOT ingest.

**INHALATION:** Inhalation of vapors or fumes may be irritating to mucous membranes and respiratory tract. Avoid contact.

**CHRONIC:** Prolonged contact may result in sensitizing of skin.

**CARCINOGENS:** This product and its components are not listed on NTP, IARC, OSHA or ACGIH lists as cancer-causing agents.

**AGGRAVATION OF PRE-EXISTING CONDITIONS:** Unknown.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	HAZARD	WT %	ACGIH		OSHA	
				TLV <sub>(TWA)</sub>	STEL	PEL <sub>(TWA)</sub>	STEL
Magnesium nitrate	10377-60-3	Irritant	1.4 – 1.8	NE	NE	NE	NE
5-Chloro-methyl-isothiazolin-3-one	26172-55-4	Corrosive	1.10 – 1.35	NE	NE	NE	NE
Magnesium chloride	7786-30-3	Irritant	1.0 – 1.2	NE	NE	NE	NE
2-Methyl-4-isothiazolin-3-one	2682-20-4	Corrosive	0.35 – 0.45	NE	NE	NE	NE

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous and/or present at amounts below reportable limits.

### 4. FIRST AID MEASURES

**EYE CONTACT:** If this product contacts the eyes, immediately flush eyes with plenty of clean running water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if worn. Seek medical attention immediately.

**SKIN CONTACT:** If this product contacts the skin, immediately flush the affected area with soap and water for at least fifteen (15) minutes. If the product penetrates the clothing, promptly remove the contaminated clothing or shoes, and flush the affected area as described. Seek medical attention immediately.

**INGESTION:** If this product is ingested, give the exposed person two (2) glasses of water and seek medical attention immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.

**NOTES TO PHYSICIAN:** Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT:** None – aqueous solution.  
**FLAMMABLE LIMITS:** NA  
**AUTOIGNITION TEMPERATURE:** NA

**EXTINGUISHING MEDIA:** Use water, foam, dry chemical or carbon dioxide to extinguish fire.

**FIRE/EXPLOSION HAZARD:** Irritating or corrosive vapors may be emitted during a fire. Do NOT breathe fumes.

**FIRE FIGHTING EQUIPMENT:** Fire fighters should wear full protective equipment, including a self-contained breathing apparatus operated in the positive-pressure demand.

**SPECIAL PROCEDURES:** Use water to cool containers exposed to a fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrogen chloride and oxides of sulfur.

### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use proper personal protection (refer to Section 8).

**ENVIRONMENTAL PRECAUTIONS:** Run off from fire control or dilution water may cause pollution. Keep out of drains, municipal sewers, open bodies of water and water course.

**CLEAN-UP METHODS:** Safely stop source of spill. Clean up spills immediately. Restrict non-essential personnel from the area. Wear protective clothing, goggles and respirator if ventilation is not adequate. Dike spill area and soak up material with sand or other absorbent. Place into chemical waste container for disposal according to local, state or federal regulations. Decontaminate the spill area with 5% baking soda solution. Allow to sit for thirty (30) minutes. Then, flush spill area with water.

## 7. HANDLING AND STORAGE

**HANDLING:** Use proper personal protection when handling (refer to Section 8). Use under well-ventilated conditions. Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Avoid prolonged or repeated contact. Do NOT ingest. Wash thoroughly after handling. Rinse container before disposal.

**SHELF LIFE:** The recommended shelf life is two (2) years. It is recommended that products be retested if stored for more than two (2) years. Under ideal storage conditions, the shelf life is almost indefinite.

**STORAGE TEMPERATURE:** The recommended storage temperature is above 32°F, preferably at room temperature (70°F).

**GENERAL:** Store closed containers in a cool, dry, well-ventilated area away from incompatible materials. This product is stable under normal conditions of handling and storage. Avoid cold temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT

Please refer to Section 2 for applicable exposure limits.

**EYE PROTECTION:** To avoid contact with eyes, use chemical splash goggles and a face shield. Eye wash station should be available in the work area.

**HAND PROTECTION:** Use butyl rubber or nitrile gloves to minimize skin contact.

**BODY PROTECTION:** Use a rubber apron to minimize contact. Rubber boots are recommended. Full drench shower should be available in the work area.

**RESPIRATOR:** Use of respirator protection is not generally required. However, if exposure is above the stated limits or ventilation is inadequate, use a NIOSH approved acid gas/organic vapor respirator to reduce potential for inhalation exposure. When using respirator cartridges, they must be changed frequently to assure breakthrough exposure does not occur.

**VENTILATION:** General mechanical ventilation is recommended for enclosed areas.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, pale green liquid	<b>Boiling Point:</b>	100°C / 212°F
<b>Odor:</b>	Pungent	<b>Freezing Point:</b>	0°C / 32°F
<b>Specific Gravity @ 68°F:</b>	~ 1.02	<b>Vapor Pressure:</b>	ND
<b>pH:</b>	< 3.0	<b>Vapor Density (air = 1):</b>	0.62 (estimate)
<b>Water Solubility:</b>	Complete	<b>VOC Content:</b>	Non-volatile

## 10. STABILITY AND REACTIVITY

**GENERAL STABILITY:** This product is stable at ambient temperatures and atmospheric pressures.

**INCOMPATIBLE MATERIALS:** Oxidizing agents, reducing agents, mercaptans and amines.

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization is not expected to occur under normal temperatures and pressures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride and oxides of sulfur.

## 11. TOXICOLOGICAL INFORMATION

	<b>Product 7423</b>
<b>Eye irritation:</b>	Severe to corrosive
<b>Skin irritation:</b>	Severe to corrosive
<b>Inhalation irritation:</b>	Slight to moderate
<b>Oral LD<sub>50</sub>, Female Rat:</b>	3,310 mg/kg
<b>Oral LD<sub>50</sub>, Male Rat:</b>	> 5,000 mg/kg
<b>Dermal LD<sub>50</sub>, Rabbit:</b>	> 5,000 mg/kg
<b>Inhalation LC<sub>50</sub>, Rabbit:</b>	1195 mg/l
<b>Other toxicological data:</b>	NA

## 12. ECOLOGICAL INFORMATION

	<b>Product 7423</b>
<b>96 hr LC<sub>50</sub>, Rainbow trout:</b>	NDA
<b>48 hr LC<sub>50</sub>, Daphnia magna:</b>	NDA
<b>72 hr EC<sub>50</sub>, Algae:</b>	NDA

## 13. DISPOSAL CONSIDERATIONS

**US EPA RCRA Status:** This product is considered to be a hazardous waste.  
**US EPA RCRA Hazardous waste code:** D002

Do NOT dump into any sewers, on the ground or into any body of water. Rinse containers before disposal. Since emptied containers contain product residue, follow label warnings even after container is emptied. Dispose in accordance with all applicable federal, state and local laws and regulations.

## 14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

### US DOT

<b>Proper Shipping Name:</b>	Corrosive Liquid, Acidic, Organic, n.o.s., (5-Chloro-2-methyl-4-isothiazolin-3-one)
<b>Hazard Class:</b>	8
<b>Hazard Identification Number:</b>	UN3265
<b>Packing Group:</b>	PGII
<b>Transport Label:</b>	Corrosive

## 15. REGULATORY INFORMATION

<b>Components:</b>	<b>Product 7423</b>
<b><u>Carcinogenic Potential</u></b>	
<b>Regulated by OSHA:</b>	No
<b>Listed on NTP Report:</b>	No
<b>Listed by IARC / Group:</b>	No
<b>ACGIH Appendix A / Group:</b>	Not listed

**US EPA Release Reporting**

**CERCLA (40 CFR 302):**

**Listed substance:** Not listed  
Reportable quantity: NA  
Category: D  
RCRA waste number: D002  
**Unlisted substance:** NA  
Reportable quantity: NA  
Characteristic: NA  
RCRA waste number: NA

**SARA TITLE III**

**Section 302 & 303 (40 CFR 355):**

**Listed substance:** Not listed  
Reportable quantity: NA  
Planning threshold: NA

**Section 311 & 312 (40 CFR 370):**

Hazard categories: Acute, chronic  
Planning threshold: NDA

**Section 313 (40 CFR 372):**

**Listed toxic chemical:** Magnesium nitrate  
Reporting threshold: NDA

**US TSCA**

**Listed/Exempt (40 CFR 710):** Yes

**CA PROP 65**

Carcinogen: No  
Reproductive toxin: No

**16. OTHER INFORMATION**

**HMIS Rating**

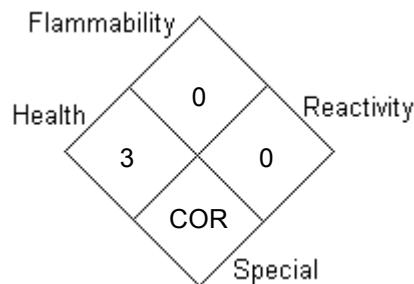
HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PROTECTION	D

D = Face shield, gloves, protective apron

**KEY**

4 = Severe ACID = Acid  
3 = Serious ALK = Alkali  
2 = Moderate COR = Corrosive  
1 = Slight OX = Oxidizer  
0 = Minimal W = Use NO WATER

**NFPA Rating**



**Legend:**

ACGIH:	American Conference of Governmental Industrial Hygiene	NE:	Not established
A1:	Confirmed human carcinogen	NFPA:	National Fire Protection Association
A2:	Suspected human carcinogen	NIOSH:	National Institute for Occupational Safety and Health
A3:	Confirmed animal carcinogen	NTP:	National Toxicology Program
CAS #:	Chemical Abstract Service Registry number	OSHA:	Occupational Safety and Health Administration
CERCLA:	Comprehensive Environmental Response Compensation and Liability Act	PEL:	Permissible Exposure Limit
DOT:	Department of Transportation	RCRA:	Resource Conservation and Recovery Act
EPA:	Environmental Protection Agency	REL:	Recommended Exposure Limit
HMIS:	Hazardous Materials Identification System	SARA TITLE III:	Superfund Amendments and Reauthorization Act
IARC:	International Agency for Research on Cancer	STEL:	Short Term Exposure Limit (15 minute Time Weighted Average)
Group 1:	Carcinogenic to humans	TLV:	Threshold Limit Value
Group 2A:	Probably carcinogenic to humans	CEIL (C):	Ceiling Exposure Limit
Group 2B:	Possibly carcinogenic to humans	TSCA:	Toxic Substance Control Act
Group 3:	Unclassified as carcinogenic to humans	TWA:	Time Weighted Average
NA or N/A:	Not applicable	VOC:	Volatile Organic Compound
ND:	Not determined	> / <:	Greater than / Less than
NDA:	No data available	~:	Approximately

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