




SAFETY DATA SHEET

PROMEX™ CMT1.5

Revision Date: May 23, 2023

Page 1 of 9

Section 1: PRODUCT AND COMPANY INFORMATION	
Product name	PROMEX™CMT1.5
Product use	Industrial uses: Uses of substances as such or in preparations at industrial sites Biocidal products (e.g. Disinfectants, pest control)
Company	Prom USA, Inc.
Address	515 Social Street, Woonsocket RI USA 02895
Contact Number	+1 (508) 850-5253
Email	bfranc@prombiocides.com
Emergency Number	For a transport accident or leak, fire, or major spill, call CHEMICAL EMERGENCY RESPONSE CENTER (800) 424-9300 OR +1 (703) 527-3887 when calling from outside the USA Read the entire SDS for a complete hazard assessment.

Section 2: HAZARDS IDENTIFICATION	
Hazard Classification	This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200 Acute toxicity (Oral) Category 5 Skin corrosion - Category 1B Serious eye damage - Category 1 Skin sensitization - Category 1 Acute aquatic toxicity - Category 1 Chronic aquatic toxicity - Category 1
Hazard Pictogram(s)	
Signal Word	DANGER!
Hazard Statements	May be harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.
Precautionary Statements	
Prevention	Avoid breathing dust/mist. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.



SAFETY DATA SHEET

PROMEX™ CMT1.5

Revision Date: May 23, 2023

Page 2 of 9

Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep at rest in comfortable position for breathing. Immediately call a Poison Center or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.
Storage	Store locked up.
Disposal	Dispose of contents/container to an approved waste disposal plant and in accordance with local/regional/national/international regulations.

Section 3: COMPOSITION/INFORMATION on INGREDIENTS		
Copper free formula		
Chemical Name	CAS No.	Concentration %[†]
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	1.10 – 1.35
2-Methyl-4-isothiazolin-3-one	2682-20-4	0.35 – 0.45
Magnesium nitrate	10377-60-3	1.40 – 2.00
Magnesium chloride	7786-30-3	1.00 – 1.20
Potassium Iodate	7758-05-6	0.006 – 0.011
Water	7732-18-5	95.00 – 96.00
Copper stabilized formula		
Chemical name	CAS No.	Concentration %[†]
5-chloro-2-methyl-2H-isothiazol-3-one	26172-55-4	1.10 – 1.35
2-Methyl-4-isothiazolin-3-one	2682-20-4	0.35 - 0.45
Magnesium nitrate	10377-60-3	1.40 - 2.00
Magnesium chloride	7786-30-3	1.00 - 1.20
Copper nitrate hydrate	10031-43-3	0.144 - 0.16
Water	7732-18-5	95.00 – 96.00

Values are not product specifications.

[†] Percent concentration by weight.

Section 4: FIRST AID MEASURES	
Description of first aid measures	Inhalation: Move the exposed person to fresh air. Eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Skin contact: Wash off immediately with plenty of soap and water. Ingestion: DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this container or label. Poison Control Center: Call 1-800-222-1222.
Most important symptoms and effects, both acute and delayed	Inhalation: Inhalation of vapour may cause shortness of breath. Eye contact: Causes Burns. Risk of serious damage to eyes. Skin contact: May cause sensitisation by skin contact. Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



SAFETY DATA SHEET
PROMEX™ CMT1.5
Revision Date: May 23, 2023

Page 3 of 9

Indication of any immediate medical attention and special treatment needed	Inhalation: Seek medical attention. Eye contact: Immediate medical attention is required. Skin contact: Seek medical attention if irritation or symptoms persist. Ingestion: Seek medical attention.
Note to Physician	MATERIAL IS CORROSIVE. Mucosal injury following ingestion of this potentially corrosive material contraindicates the induction of vomiting. Measures against circulatory shock and convulsions maybe necessary.

Section 5: FIRE FIGHTING MEASURES	
Extinguishing media	Foam, carbonic acid, powder or water mist.
Special hazards arising from the substance or mixture	Burning produces irritating, toxic and obnoxious fumes. Carbon oxides, nitrogen oxides, sulfur oxides.
Advice for firefighters	Move containers from fire area if you can do so without risk.
Special protective equipment and precautions	Self-contained breathing apparatus. Wear protective clothing. Cool containers/tanks with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures	Evacuate personnel to safe areas Ensure adequate ventilation of the working area. Wear respiratory protection. Avoid dust or mist formation. Avoid breathing vapors, mist or gas. Wear NIOSH approved respirator during spill clean-up deactivation of this material. MATERIAL IS CORROSIVE. Protective clothing, including chemical splash goggles, nitrile or butyl rubber full length gloves, rubber apron, or clothing made of nitrile or butyl rubber, and rubber overshoes must be worn during spill clean-ups and deactivation of this material. If material comes in contact with the skin during clean-up operations, immediately remove all contaminated clothing and wash exposed skin areas with soap and water.
Environmental precautions	Discharge into the environment must be avoided. Do not allow product to enter drains or ground. Prevent further spillage if safe. Inform appropriate managerial or supervisory personnel of all environmental releases. Do not Contaminate water by cleaning of equipment or disposal of waste. For guidance, contact your State water Board or Regional Office of the EPA.
Methods and material for containment and cleaning up	WARNING: KEEP SPILLS AND CLEAN-UP RESIDUALS OUT OF MUICIPAL SEWERS AND OPEN BODIES OF WATER. Pickup and arrange disposal without creating dust or mists. Sweep up and shovel. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Soak up material with absorbent and shovel into a chemical waste container.



SAFETY DATA SHEET
PROMEX™ CMT1.5
Revision Date: May 23, 2023

Page 4 of 9

Section 7: HANDLING and STORAGE	
Precautions for safe handling	This material is corrosive. For personal protection see Section 8. Do not handle material near food, feed or drinking water. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing. Use closed handling and dispensing systems whenever possible. Precautions should be in place to ensure no skin contact will occur. A sensitized individual should not be exposed to the product which caused the sensitization. Observe recommended exposure limits. Wash hands after handling the product.
Conditions for safe storage, including any incompatibilities	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in a cool, well ventilated area away from heat, sources of ignition, direct sunlight and strong oxidizing agents, acids. Due to potential corrosion in contact with mild steel, aluminum, copper and other metals, which may discolor product, avoid contact with these materials. Recommended storage containers are high density high molecular weight polyethylene or stainless steel. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all SDS and label warnings even after container is emptied. Expiration date based only on retention of >95% actives during storage at 20°C -25°C (68°F -77°F).
Storage stability	Storage stability temperature: 1 - 55 °C (34 - 131 °F)

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure guidelines	No ACGIH TLV or OSHA PEL is assigned to this mixture. Control of exposure to below the PEL for the ingredients may not be sufficient. Minimize exposure in accordance with good hygiene practice. Prom USA has adopted an Occupational Exposure Limit TWA 0.1mg/m ³ total STEL 0.3mg/m ³ total.
Engineering controls	Use local exhaust ventilation with a minimum capture velocity of 150 ft/min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.
Protective measures	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Protective equipment	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Protective clothing	Take all precautions to prevent skin contact. Use gloves, arm covers and apron determined to be impervious under the conditions of use. Additional protection such as full body suit and boots may be required depending on conditions.



SAFETY DATA SHEET
PROMEX™ CMT1.5
Revision Date: May 23, 2023

Page 5 of 9

Section 9: PHYSICAL and CHEMICAL PROPERTIES		
	Copper Free	Copper Stabilized
Physical state	Liquid	Liquid
Appearance	Colorless to clear yellow	Light blue solution
Odor	Pungent	Faint
pH	2.0 - 5.0	2.0 - 5.0
Melting point	-3.00 °C (26.60°F)	-3.00 °C (26.60°F)
Freezing point	No data	No data
Boiling point (760 mmHg)	100.00 °C (212.00 °F)	100.00 °C (212.00 °F) Water
Flash point	Non-combustible	Non-combustible
Evaporation rate (n-Butyl acetate=1)	<1.00	<1.00
Flammability (solid, gas)	Not applicable	Not applicable
Lower explosion limit	Not applicable	Not applicable
Lower explosion limit	Not applicable	Not applicable
Vapor pressure	No data	No data
Relative (vapor) density (air = 1)	0.62	0.62
Relative density (water = 1)	1.02 – 1.05	1.02-1.05
Water solubility	Completely soluble	Completely soluble
Partition coefficient: n-octanol/water	log Pow: 0.401 (Method unknown)	log Pow: 0.401 (Method unknown)
Auto-ignition temperature	Not applicable	Not applicable
Decomposition temperature	No data	No data
Dynamic Viscosity	3.000 mPa.s at 25.00 °C (77.00 °F)	3.000 mPa.s at 25.00 °C (77.00 °F)
Kinematic Viscosity	No data	No data
Explosive properties	No data	No data
Oxidizing properties	Not applicable	Not applicable
Molecular weight	No data	No data
Volatile by volume	95.00- 97.00% Water	95.00- 97.00% Water
Specific Gravity @ 25.00 °C	1.0200 G/CC Minimum	1.0200 G/CC Minimum

NOTE: The physical data presented above are typical values and should not be construed as a specification.

Section 10: STABILITY and REACTIVITY	
Chemical stability	Stable at normal temperatures and pressure
Conditions to avoid	Heat, flames, sparks and other sources of ignition. Containers may rupture if exposed to heat. Keep out of water supplies and sewers.
Incompatibility	Strong oxidizing agents, reducing agents. Will show some corrosion to mild steel, aluminum, copper and other metals causing possible discoloration of product.



SAFETY DATA SHEET
PROMEX™ CMT1.5
Revision Date: May 23, 2023

Page 6 of 9

Hazardous polymerization	Not known to occur
Hazardous decomposition products	Will not decompose if stored and used as recommended. Thermal decomposition may yield the following: oxides of nitrogen, sulfur dioxides.

Section 11:	TOXICOLOGICAL INFORMATION
Acute Oral Toxicity	LD50 Rat, female, 3,310 mg/kg LD50 Rat, male, >5,000 mg/kg
Acute Dermal Toxicity	LD50 Rabbit, >5,000mg/kg
Acute Inhalation Toxicity	LD50 Rat, 4 Hour, dust/mist, > 5mg/L estimated
Skin corrosion/irritation	Skin – rabbit: corrosive
Serious eye damage/eye irritation	Eyes – rabbit: corrosive
Respiratory/Skin sensitization	Guinea pig, Causes sensitization
Germ cell mutagenicity:	Collective data indicate non-mutagenic
Reproductive toxicity:	No evidence of reproductive toxicity, teratogenicity, or developmental toxicity.
Specific target organ toxicity exposure	No data available
Aspiration hazard:	No data available
Carcinogenicity (IARC, OSHA, NTP):	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, OSHA, NTP.
Likely routes of exposure:	Inhalation, eye and skin contact, and ingestion

Section 12:	ECOLOGICAL INFORMATION
General Information: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
<u>5-Chloro-2-methyl-4-isothiazolin-3-one</u>	
Acute toxicity to fish	LC50/EC50 (most species) between 0.1 and 1 mg/L LC50 Oncorhynchus mykiss (rainbow trout) 96 hour, 0.19 mg/L LC50 Lepomis macrochirus (Bluegill sunfish) 96 hour, 0.28 mg/L
Acute toxicity to algae/aquatic plants	EC50 Marine algae (Skeletonema costatum) 0.003 mg/L EC50 algae (Selenastrum capricornutum) 0.018 mg/L
Chronic toxicity to aquatic invertebrates	NOEC, Daphnia magna (Water flea), 21 d, number of offspring, 0.172000 mg/L LOEC, Daphnia magna (Water flea), 21 d, number of offspring, 0.572000 mg/L



SAFETY DATA SHEET

PROMEX™ CMT1.5

Revision Date: May 23, 2023

Page 7 of 9

2-Methyl-4-isothiazolin-3-one

Acute toxicity to fish	LC50/EC50 between 0.1 and 1.0 mg/L (in the most sensitive species tested). LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, 4.77 mg/L
Acute toxicity to aquatic invertebrates	LC50, Daphnia magna (Water flea), 48 Hour, 0.93 - 1.9 mg/L
Acute toxicity to algae/aquatic plants	EC50, Algae (Selenastrum capricornutum), 72 Hour, Growth rate, 0.158 mg/L
Chronic toxicity to fish	NOEC, Pimephales promelas (fathead minnow), 33 d, 2.1 mg/L
Chronic toxicity to aquatic invertebrates	NOEC, Daphnia magna, 21 d, 0.04 mg/L
Other	Very toxic to aquatic organisms. Low potential for bioaccumulation. CMIT and MIT are biodegradable in soil, water or in sediments. They are removed by biological wastewater-treatment. Aerobic sewage treatment organisms will metabolize the active ingredient. The active substance tends to partition into water and is broken down to non-persistent substances which are several orders of magnitude less toxic than the parent compound.

Section 13: DISPOSAL CONSIDERATIONS

Disposal method	Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway. PROMEX™ CMT1.5 is toxic to fish and spills must be detoxified by biological or chemical means.
Container disposal	Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residues from container using appropriate solvents (e.g. triple rinsing). Then offer for recycling/reconditioning or puncture or otherwise destroy empty container before disposal.

Section 14: TRANSPORT INFORMATION

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3 AND 2-METHYL-4-ISOTHIAZOLIN-3-ONE)

UN ID Number: UN 3265

Special Provisions: No data

DOT Hazard Class / Pack Group: 8 / II

IATA Hazard Class / Pack Group: 8 / II

IMDG Hazard Class: 8

RID / ADR Hazard Class / Pack Group: 8 / II

UN TDG Class / Pack Group: 8 / II

DOT Hazard Information:

Explosive: No **Explosive Class:** Not applicable

Label: Corrosive



SAFETY DATA SHEET

PROMEX™ CMT1.5

Revision Date: May 23, 2023

Page 8 of 9

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, 213, 240, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

Section 15: REGULATORY INFORMATION

US Federal Regulations

OSHA Hazard Communication Standard, 29 CFR 1910.1200

This product is defined as a "Hazardous Chemical"

Federal Insecticide, Fungicide and Rodenticide Act (FIFRA)

EPA Registration Number: 80285-15

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets.

Pesticide Label Hazard Ratings

DANGER

Corrosive

Causes eye damage and skin burns

May be fatal if absorbed through the skin or swallowed

May cause allergic skin reaction

Harmful if inhaled

This chemical is toxic to aquatic plants, fish, and aquatic invertebrates

Superfund Amendments and Reauthorization Act (SARA) Act of 1986 Title III:

(Amendment to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) legislation in 1980)

Emergency Planning (Sections 301-303)

Not listed.

Emergency Release Notification (Section 304)

Regulated as hazardous chemical. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Hazardous Chemical Storage Reporting Requirements (Section 311-312)

Hazardous: Acute Health Hazard, Skin corrosion or irritation, Respiratory or skin sensitization

Toxic Chemical Release Inventory (Section 313)

This product contains a chemical which is listed in Section 313 at or above the minimal concentrations. The following listed chemicals are present:

<u>Components</u>	<u>CASRN</u>	<u>% by wt:</u>
Magnesium nitrate (10377-60-3) as nitrate compound	10377-60-3	1.4 – 2.0

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not listed

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not listed

Safe Drinking Water Act (SDWA)

Not listed



SAFETY DATA SHEET
PROMEX™ CMT1.5
Revision Date: May 23, 2023

Page 9 of 9

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

This material is regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and

This material contains chemical(s) listed in 40 CFR Table 302.4 or non-designated RCRA ICR substance(s). (Non-designated ICR substances apply to materials that will not be reused.) Releases in excess of its reportable quantity must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations. Not to be sold or handed over to persons under 18 years of age.

The Reportable Quantity(s) (RQ): D002, 100lbs.

US State Regulations

Pennsylvania Right to Know

The following chemical(s) are listed because of the additional requirements of Pennsylvania law:

Components

CASRN

Magnesium nitrate (10377-60-3) as nitrate compound 10377-60-3

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Toxic Substances Control Act (TSCA)

All components of the mixture on the TSCA 8(b) inventory are designated "active".

TSCA Section 8 (b) (40 CFR 711)

Chemical name	CAS number	Status
3(2H)-Isothiazolone, 2-methyl-	2682-20-4	Active
3(2H)-Isothiazolone, 5-chloro-2-methyl-	26172-55-4	Active
Iodic acid (HIO ₃), potassium salt (1:1)	7758-05-6	Active
Magnesium chloride (MgCl ₂)	7786-30-3	Active
Nitric acid, magnesium salt (2:1)	10377-60-3	Active
WATER	7732-18-5	Active

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D)

2-Methyl-4-isothiazolin-3-one (CAS 2682-20-4)	1.0 % One-Time Export Notification only
5-Chloro-2-methyl-4-isothiazolin-3-one (CAS 26172-55-4)	1.0 % One-Time Export Notification only

Section 16: OTHER INFORMATION

HMIS Ratings

Health	Flammability	Physical Hazard
3	0	0

Disclaimer

Prom USA has taken all reasonable care in the preparation of this document to assess and summarise the hazard properties of the product. Users must satisfy themselves that the information contained herein is pertinent to his safe handling purposes, since the supplier cannot foresee all conditions of use. The information contained herein is not intended as a specification.

End of Safety Data Sheet