

Material Safety Data Sheet

I. GENERAL INFORMATION

PRODUCT NAME: **MBC 215**

DISTRIBUTOR'S ADDRESS: Alliance Group, Inc.
P.O. Box 790
Germantown, WI 53022

24-HOUR EMERGENCY PHONE: **1-800-255-3924**

TRADE NAME: 5-chloro-2-methyl-4-isothiazolin-3-one and
2-methyl-4-isothiazolin-3-one

CHEMICAL FORMULA: Printed on label

CHEMICAL FAMILY: Microbiocide

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	H

II. HAZARDOUS INGREDIENTS

<u>PRINCIPAL HAZARDOUS INGREDIENT (S):</u>	<u>% OF PRODUCT</u>	<u>PEL / TLV</u>	<u>CAS NO.</u>
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	1.11	NE	26172-55-4
2-METHYL-4-ISOTHIAZOLIN-3-ONE	0.39	NE	2682-20-4
CUPRIC NITRATE	0.20	NE	10031-43-3

III. PHYSICAL DATA

BOILING POINT (F):	212 (F)	SPECIFIC GRAVITY (H2O=1):	1.03
VAPOR PRESSURE:	17 MM HG	%VOLATILE BY WEIGHT:	95-96% (WATER)
VAPOR DENSITY:	0.62	MELTING / FREEZING POINT (F):	Freezes at 27 (F)
SOLUBILITY IN WATER:	COMPLETE	PH:	Approx. 3.0
APPEARANCE AND ODOR:	PALE YELLOW TO GREEN LIQUID; SLIGHT ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT:	N/A	FLAMMABLE LIMITS IN AIR, VOLUME PERCENTAGE (%)	
AUTO IGNITION TEMPERATURE:	N/A	UPPER:	N/A
EXTINGUISHER MEDIA:	NON-COMBUSTIBLE		
SPECIAL FIRE FIGHTING PROCEDURES:	WEAR BREATHING APPARATUS (MSHA/HIOSH-APPROVED, PRESSURE DEMAND, SELF-CONTAINED OR EQUIVALENT) AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. CONTAIN RUN-OFF.		

UNUSUAL FIRE/EXPLOSION HAZARDS: AVOID EXPOSURE TO FUMES AND VAPORS FROM FIRE – CAN POSSIBLY INCLUDE SULFUR DIOXIDE AND HYDROGEN CHLORIDE AND OXIDES OF NITROGEN.

V. PHYSICAL HAZARDS

STABILITY:	STABLE	CONDITIONS TO AVOID:	NONE KNOWN
MATERIALS TO AVOID:	OXIDIZING AGENTS, REDUCING AGENTS, AMINES, MERCAPTANS		
HAZ. POLYMERIZATION:	WILL NOT OCCUR	CONDITIONS TO AVOID:	NOT APPLICABLE
HAZARDOUS DECOMPOSITION PRODUCTS:	HYDROGEN CHLORIDE AND OXIDES OF SULFUR		

VI. HEALTH HAZARDS

ACUTE:	CORROSIVE	CHRONIC:	NONE
SIGNS AND SYMPTOMS OF EXPOSURE:	Harmful if inhaled. Corrosive to eyes. Causes irreversible eye damage. Corrosive to skin. Causes skin burns. These effects may be delayed for hours. Can cause allergic dermatitis.		

MEDICAL CONDITIONS GENERALLY

AGGREGATED BY EXPOSURE: Exposure to MBC-215 may cause allergic contact dermatitis.

LISTED AS CARCINOGEN/POTENTIAL CARCINOGEN:

IARC: NO

NATIONAL TOXICOLOGY PROGRAM: NO

VII. EMERGENCY AND FIRST AID PROCEDURES

TREAT SYSTEMATICALLY AS OUTLINED BELOW:

INHALATION: MOVE SUBJECT TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NEEDED.

SKIN: WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. SEEK MEDICAL ATTENTION

EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, LIFTING UPPER AND LOWER EYE LIDS OCCASIONALLY, FOR AT LEAST 15 MIN. GET PROMPT MEDICAL ATTENTION.

INGESTION: IF SWALLOWED, DILUTE BY GIVING 2 GLASSES OF WATER TO DRINK AND CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

LARGE AND SMALL SPILL: Wear protective clothing, splash proof goggles and impervious overshoes. Remove contaminated clothing promptly and launder before reuse. Keep spills out of Municipal sewers and open bodies of water. Dike and absorb spill with inert material (dry earth, sand). Shovel all contaminated solids, absorbent material and soil into corrosion proof, DOT-approved containers. Seal containers.

SEE SECTION X FOR MORE REGULATORY INFORMATION.

WASTE DISPOSAL METHODS: Incinerate liquid and contaminated solids in accordance with all Federal, State and local regulations (see 40 CFR 268)

IX. CONTROL MEASURES

RESPIRATORY PROTECTION: Wear MSHA/NIOSH-approved respirator suitable for concentrations encountered where exposure limits are exceeded.

VENTILATION: Local exhaust (preferred).

PROTECTIVE GLOVES: Butyl rubber/Nitrile

EYE PROTECTION: Chemical splash goggles and face shield (ANSI Z87.1 or Equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Impervious apron, eye wash facility, emergency shower.

WORK/HYGENIC PRACTICES: Wash skin with soap and water. Contaminated clothing should be laundered before reuse.

OTHER: Eye wash fountain and safety shower located in area. Do not store below 32 (F°).

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S., (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE), 8, UN3265, II

HAZARD CLASSIFICATION: CORROSIVE **UN / NA NUMBER:** UN3265

DOT LABEL REQUIRED: CORROSIVE

SARA TITLE 111 REPORTING: **SECTION 311:** X **SECTION 312:** X **SECTION 313:** N/A

SARA 313 REPORTABLE PRODUCT: N/A

SARA TPQ: N/A

CERCLA REPORTABLE QUANTITY OF PRODUCT: N/A

HMIS RATING: HEALTH 3 FLAMMABILITY 0 REACTIVITY 0

Date Prepared: NOVEMBER 2002

Prepared By: Chris Bunch

NE = Not Established

N/A = Not Applicable

NR = Not Required

< = Less Than

> = Greater Than

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable and is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature. Including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product.