

I. GENERAL INFORMATION

PRODUCT NAME: **MBC 986**

MANUFACTURER'S ADDRESS: Nashville Chemical & Equipment Co., Inc.
7001 Westbelt Drive
Nashville, TN 37209

24 HOUR EMERGENCY PHONE: **1-800-424-9300**

TRADE NAME: MICROBIOCIDES

CHEMICAL FORMULA: PRINTED ON LABEL
CHEMICAL FAMILY: N/A (MIXTURE)

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	D

II. HAZARDOUS INGREDIENTS

<u>PRINCIPAL HAZARDOUS INGREDIENT(S):</u>	<u>% OF PRODUCT</u>	<u>PEL / TLV</u>	<u>CAS NO.</u>
BRONOPOL	7.0 - 9.0 %	NONE ESTABLISHED	52-51-7
SODIUM NITRATE	1.0 - 2.0 %	NONE ESTABLISHED	7631-99-4
A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)	1.0 - 1.2 %	TWA: 0.076 mg/m ³ STEL: 0.23 mg/m ³	55965-84-9

THIS PRODUCT IS REGULATED BY FIFRA BY THE EPA AND IS THEREFORE EXEMPT FROM TSCA LISTING.

III. PHYSICAL DATA

BOILING POINT (F):	NE	SPECIFIC GRAVITY (H2O=1):	1.05
VAPOR PRESSURE:	NE	PERCENT VOLATILE BY WEIGHT (%):	89 - 90%
VAPOR DENSITY:	NE	MELTING / FREEZING POINT (F):	28°F
SOLUBILITY IN WATER:	COMPLETE	PH:	4.0 - 4.5
APPEARANCE AND ODOR:	COLORLESS TO PALE YELLOW LIQUID, WITH MILD ODOR.		

IV. FIRE AND EXPLOSION DATA

FLASH POINT: NA

AUTO IGNITION TEMPERATURE: NE

EXTINGUISHER MEDIA: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR BREATHING APPARATUS (MSHA/NIOSH-APPROVED, PRESSURE DEMAND, SELF-CONTAINED OR EQUIVALENT) AND FULL PROTECTIVE CLOTHING.

FLAMMABLE LIMITS IN AIR, VOLUME PERCENTAGE (%):
UPPER: N/A **LOWER:** N/A

UNUSUAL FIRE/EXPLOSION HAZARDS: COMBUSTION GENERATES TOXIC FUMES OF HYDROGEN CHLORIDE, NITROGEN OXIDES (NO_x) AND SULFUR OXIDES.

V. PHYSICAL HAZARDS

STABILITY: STABLE

MATERIALS TO AVOID: OXIDIZING AGENTS, AMINES, REDUCING AGENTS, AND MERCAPTANS.

HAZ. POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: NITROGEN OXIDES (NO_x), SULFUR OXIDES, HYDROGEN CHLORIDE

CONDITIONS TO AVOID: NONE KNOWN

CONDITIONS TO AVOID: NOT APPLICABLE

VI. HEALTH HAZARDS

ACUTE: CORROSIVE **CHRONIC:** SENSITIZATION
SIGNS AND SYMPTOMS OF EXPOSURE: HARMFUL IF SWALLOWED. CAUSES SEVERE EYE/SKIN BURNS. MAY CAUSE SENSITIZATION BY SKIN CONTACT. IRRITATING TO RESPIRATORY SYSTEM.

MEDICAL CONDITIONS GENERALLY AGGREGATED BY EXPOSURE: THIS PRODUCT MAY CAUSE AN ALLERGIC REACTION.

LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: IARC: NO **NATIONAL TOXICOLOGY PROGRAM:** NO

VII. EMERGENCY AND FIRST AID PROCEDURES**TREAT SYSTEMATICALLY AS OUTLINED BELOW:**

INHALATION: MOVE TO FRESH AIR. IF BREATHING DIFFICULTY OCCURS CONTACT A PHYSICIAN.

SKIN: IMMEDIATELY GET UNDER A SAFETY SHOWER. REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF SKIN IRRITATION DEVELOPES CONSULT A PHYSICIAN.

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

INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. RINSE MOUTH THEN DRINK LARGE QUANTITIES OF WATER. IMMEDIATELY SEEK MEDICAL ATTENTION..

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. WARNING: KEEP SPILLS AND CLEAN-UP RESIDUALS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER. ABSORB WITH INERT SOLIDS (CLAY, OR VERMICULITE). TRANSFER TO SUITABLE CONTAINERS FOR DISPOSAL.

SEE SECTION X FOR MORE REGULATORY INFORMATION.

WASTE DISPOSAL METHODS: INCINERATE LIQUID AND CONTAMINATED SOLIDS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS (SEE 40 CFR 268).

IX. CONTROL MEASURES

RESPIRATORY PROTECTION: WEAR NIOSH-APPROVED RESPIRATOR WITH ORGANIC VAPOR/ACID GAS CARTRIDGE AND DUST/MIST FILTER WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED.

VENTILATION: LOCAL EXHAUST: PREFERRED

PROTECTIVE GLOVES: CHEMICAL RESISTANT (BUTYL RUBBER, NITRILE, OR PVC)

EYE PROTECTION: SPLASH PROOF GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS APRON, EYE WASH FACILITY, EMERGENCY SHOWER.

WORK/HYGENIC PRACTICES: WASH SKIN WITH SOAP AND WATER. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

OTHER: EYE WASH FACILITY AND SAFETY SHOWER. PROTECT FROM HEAT AND FROST.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)) 8, UN 3265, PG II

HAZARD CLASSIFICATION: CORROSIVE **UN / NA NUMBER:** UN 3265

DOT LABEL REQUIRED: CORROSIVE

SARA TITLE III REPORTING: **SECTION 311:** X **SECTION 312:** X **SECTION 313:** X

SARA 313 REPORTABLE PRODUCT: SODIUM NITRATE

SARA TPQ: N/A

CERCLA REPORTABLE QUANTITY OF PRODUCT: N/A

HMS RATING: HEALTH 3 **FLAMMABILITY** 1 **REACTIVITY** 0

DATE PREPARED: APRIL 2009
PREPARED BY: STEVEN FENNELL

NE = Not Established **N/A = Not Applicable** **NR = Not Required** **< = Less Than** **> = Greater Than**

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