

I. GENERAL INFORMATION

PRODUCT NAME: **MBC 512**

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

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

TRADE NAME: MIXTURE OF QUATERNARY AMMONIUM CHLORIDES AND GLUTARALDEHYDE

CHEMICAL FORMULA: AS SEEN ON LABEL

CHEMICAL FAMILY: MICROBIOCIDES

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>
GLUTARALDEHYDE	25 - 27%	TLV: 0.05 ppm CEILING [SEN]	111-30-8
DIDECYL DIMETHYL AMMONIUM CHLORIDE	7.0 - 8.0%	NO PEL/TLV EST.	7173-51-5
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	4.5 - 5.5%	NO PEL/TLV EST.	68424-85-1
ETHANOL	2.0 - 4.0%	PEL: 1900 mg/m ³ TWA TLV: 1000 ppm TWA	64-17-5

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE U.S. TSCA INVENTORY.

III. PHYSICAL DATA

BOILING POINT (F):	NE	SPECIFIC GRAVITY (H2O=1):	1.05
VAPOR PRESSURE:	0.2 mmHg at 20°C	PERCENT VOLATILE BY WEIGHT (%):	NE
VAPOR DENSITY:	NE	MELTING / FREEZING POINT (F):	< 15°F
SOLUBILITY IN WATER:	COMPLETE	PH:	3.0 - 6.0
APPEARANCE AND ODOR:	CLEAR LIGHT COLORED SOLUTION; DISTINCT ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT: >144°F

AUTO IGNITION TEMPERATURE: NE

EXTINGUISHER MEDIA: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, OR FOAM

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR NIOSH/MSHA APPROVED, PRESSURE-DEMAND SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

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

UNUSUAL FIRE/EXPLOSION HAZARDS: IRRITATING AND TOXIC GASES OR FUMES MAY BE RELEASED DURING A FIRE.

V. PHYSICAL HAZARDS

STABILITY: STABLE

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS, REDUCING AGENTS, STRONG ACIDS AND BASES, AMMONIA

HAZ. POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, AND/OR LOW MOLECULAR WEIGHT HYDROCARBONS

CONDITIONS TO AVOID: EXTREME HEAT

CONDITIONS TO AVOID: NONE

VI. HEALTH HAZARDS**ACUTE:** CORROSIVE**CHRONIC:** NONE KNOWN.**SIGNS AND SYMPTOMS OF EXPOSURE:**

CORROSIVE, CAUSES BURNS, HARMFUL IN CONTACT WITH SKIN, EYES AND IF SWALLOWED. MAY CAUSE PERMANENT EYE INJURY OR BLINDNESS. SKIN CONTACT MAY CAUSE IRRITATION OR BURNS. HARMFUL IF ABSORBED THROUGH SKIN.

MEDICAL CONDITIONS GENERALLY**AGGRAVATED BY EXPOSURE:**

INHILATION OF MISTS WILL CAUSE SEVERE IRRITATION TO UPPER RESPIRATORY TRACT. EXCESSIVE EXPOSURE MAY AGGRAVATE PRE-EXISTING SKIN DISEASES,

LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:**IARC:** NO**NATIONAL TOXICOLOGY PROGRAM:** NO**VII. EMERGENCY AND FIRST AID PROCEDURES****TREAT SYSTEMATICALLY AS OUTLINED BELOW:****INHALATION:** IF AFFECTED, REMOVE PERSON TO FRESH AIR. CONSULT A PHYSICIAN IF BREATHING DIFFICULTY OCCURS.**SKIN:** THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION OCCURS.**EYES:** FLUSH WITH CLEAN WATER FOR AT LEAST 30 MINUTES, REMOVING CONTACT LENS AFTER FIRST 5 MINUTES. LIFT UPPER AND LOWER EYE LIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.**INGESTION:** IMMEDIATELY CALL POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVISE. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PROFESSIONAL. DO NOT GIVE ANY LIQUIDS TO PERSON.**VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:****LARGE AND SMALL SPILL:** LARGE AND SMALL SPILL: COMPLETELY CONTAIN ALL SPILLED MATERIAL. BLOCK ANY POTENTIAL ROUTES TO WATER SYSTEMS, (E.G. SEWERS, STREAMS, LAKES, ETC.). ABSORB ONTO INERT COMPOUND AND RECLAIM TO A CLOSED DOT APPROVED CONTAINER. SEE SECTION X FOR MORE REGULATORY INFORMATION.**SEE SECTION X FOR MORE REGULATORY INFORMATION.****WASTE DISPOSAL METHODS:** WASTE DISPOSAL METHODS: DISPOSE OF CONTAMINATED PRODUCT VIA AN APPROVED CHEMICAL WASTE DISPOSAL FIRM AND IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.**IX. CONTROL MEASURES****RESPIRATORY PROTECTION:** NIOSH-APPROVED RESPIRATOR WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED.**VENTILATION:** GENERAL EXHAUST: ADEQUATE**PROTECTIVE GLOVES:** BUTYL RUBBER OR NEOPRENE**EYE PROTECTION:** CHEMICAL SPLASH GOGGLES OR GOGGLES AND FACESHIELD.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** IMPERVIOUS CLOTHING: IE. BOOTS, APRONS TO MINIMIZE POTENTIAL CONTACT.**WORK/HYGENIC PRACTICES:** CONTAMINATED CLOTHING SHOULD BE LAUNDERED BEFORE REUSE.**OTHER:** EYE WASH FOUNTAIN AND EMERGENCY SHOWERS ARE RECOMMENDED IN WORK AREAS.**X. REGULATORY INFORMATION****DOT SHIPPING NAME:** DISINFECTANTS, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND), 8, UN 1903, PG III**HAZARD CLASSIFICATION:** CORROSIVE**UN / NA NUMBER:** UN 1903**DOT LABEL REQUIRED:** CORROSIVE**SARA TITLE III 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** 1 **REACTIVITY** 0**DATE PREPARED:** JANUARY 2010**PREPARED BY:** STEVEN FENNELL**NE = Not Established****N/A = Not Applicable****NR = Not Required****< = Less Than****> = Greater Than**

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