

T. DONOVAN & SON (1997) LTD.

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: TRIPLE C # 599

CHEMICAL NAME: MICROBIOCIDE

MANUFACTURER: T. DONOVAN & SON (1997) LTD

REGULAR PHONE #: 506-642-1500 HOURS: 8:30 - 4:30

EMERGENCY PHONE #: 613-996-6666 CHEMICAL EMERGENCIES ONLY

PRODUCT USE: INDUSTRIAL APPLICATION

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	CONC.%	CAS #
POTASSIUM N-METHYLDITHIOCARBAMATE	5-10 %	137-41-7
DISODIUM CYANODITHIOIMIDOCARBONATE	1-5 %	138-93-2
WATER	80-90 %	7732-18-5

SECTION III - PHYSICAL DATA

PHYSICAL STATE	: LIQUID	ODOR	: SULFIDE
BOILING POINT (C)	: ABOVE 100 C	FREEZING POINT (C)	: 0 DEG C
ODOR THRESHOLD	: N/A	VAPOR PRESSURE	: N/A
VAPOR DENSITY	: N/A	PERCENT VOLATILE	: N/A
EVAPORATION RATE	: N/A	pH	: 13 (NEAT)
DENSITY	: 1.22	COEFF WATER / OIL	: N/A
SOLUBILITY IN WATER:	SOLUBLE	BULK DENSITY	: N/A

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY : NON FLAMMABLE

EXTINGUISHING MEDIA : NON FLAMMABLE, FOR FIRES INVOLVING THIS PRODUCT, WATER FOG, CO2, OR FOAM MAY BE USED.

SPECIAL FIRE FIGHTING PROC : WEAR NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS.

FIRE & EXPLOSION HAZARDS : NONE

FLASHPOINT : NON COMBUSTIBLE

AUTO-IGNITION TEMPERATURE (C): N/A

UPPER FLAMMABILITY LIMIT : N/A

LOWER FLAMMABILITY LIMIT : N/A

HAZARDOUS COMB. PROD. : HYDROGEN SULFIDE, CARBON DISULFIDE, METHYLAMINE, METHYL ISOTHIOCYANATE.

EXPLOSION SENSITIVITY TO IMPACT: N/A

SENSITIVITY TO STATIC : N/A

## SECTION V - REACTIVITY DATA

CHEMICAL STABILITY : YES, STABLE UNDER NORMAL CONDITIONS OF USE.  
 INCOMPATIBILITY : STRONG ACIDS  
 CONDITIONS TO AVOID : STRONG ACIDS  
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
 HAZARDOUS DECOMPOSITION: HYDROGEN SULFIDE, CARBON DISULFIDE,  
 METHYLAMINE, METHYL ISOTHIOCYANATE.

## SECTION VI - TOXICOLOGICAL EFFECTS

CHRONIC AND ACUTE EFFECTS UPON ROUTES OF ENTRY

EYE CONTACT: CORROSIVE, SLIGHT IRRITATION

SKIN CONTACT: CORROSIVE, SLIGHT SKIN IRRITATION

INHALATION: IRRITATION OF NOSE, THROAT AND LUNGS. HEADACHE AND NAUSEA, IRRITATION TO LUNG TISSUE DUE TO CORROSIVENESS.

EXPOSURE LIMITS	: N/A	SYNERGISTIC PRODUCTS	: N/A
IRRITANCY	: N/A	SENSITIZATION	: N/A
CARCINOGENICITY	: N/A	TERATOGENICITY	: N/A
MUTAGENICITY	: N/A	REPRODUCTIVE TOXICITY	: N/A

## SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

IN ALL CASES, SEEK MEDICAL ATTENTION IMMEDIATELY

EYE CONTACT: FLUSH EYES WITH WATER FOR 30 MINUTES, HOLDING THE EYELIDS OPEN. A NEUTRAL SALINE SOLUTION MAY BE USED TO FLUSH CONTAMINATED EYES.

SKIN CONTACT: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER.

INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD.

INHALATION: REMOVE FROM CONTAMINATED AREA. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF DIFFICULTY BREATHING, GIVE OXYGEN.

## SECTION VIII - PREVENTIVE MEASURES

EYE PROTECTION : SAFETY OR CHEMICAL GLASSES FOR FULL FACE MASK.  
 SKIN PROTECTION : RUBBER OR PLASTIC GLOVES, COVERALLS OR APRON.  
 RESPIRATORY PROTECTION : WEAR NIOSH APPROVED RESPIRATOR.  
 ENGINEERING CONTROLS : GENERAL MECHANICAL VENTILATION.

SPILL & LEAK PROCEDURES : WEAR NECESSARY PROTECTIVE CLOTHING AND EQUIPMENT. FLOOR MAY BE SLIPPERY, USE CARE TO AVOID FALLING. CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH). TRANSFER LIQUID AND DIKING MATERIAL TO SEPARATE CONTAINER FOR DISPOSAL.

HANDLING & STORAGE : STORE IN CLOSED CONTAINERS IN DRY, COOL AREAS.

SECTION IX - TRANSPORT AND REGULATORY INFORMATION

TDG REGULATION : CORROSIVE LIQUIDS, N.O.S.  
(POTASSIUM N-METHYLDITHIOCARBAMATE)  
(DISODIUM CYANODITHIOIMIDOCARBONATE)  
CLASS 8, UN 1760, PG II

WHMIS CLASSIFICATION : NOT APPLICABLE. THIS PRODUCT IS REGULATED BY THE PEST  
CONTROLS PRODUCT ACT, AGRICULTURE CANADA.

PREPARED BY: TECHNICAL SERVICES DEPARTMENT  
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