

T. DONOVAN & SON (1997) LTD.

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: TRIPLE C # 528

CHEMICAL NAME: BOILER WATER TREATMENT

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 # |
|----------------------------|---------|---------------|
| SODIUM MOLYBDATE DIHYDRATE | 5-10 % | 7631-95-0 |
| SODIUM TRIPOLYPHOSPHATE | 1-5 % | 7758-29-4 |
| POTASSIUM HYDROXIDE | 15-20 % | 1310-58-3 |
| ACRYLIC TERPOLYMER | 1-5 % | NON HAZARDOUS |
| DIETHYLAMINOETHANOL | 1-5 % | 100-37-8 |
| WATER | 45-75 % | 7732-18-5 |

SECTION III - PHYSICAL DATA

| | |
|------------------------------|------------------------------|
| PHYSICAL STATE : LIQUID | ODOR : NONE |
| BOILING POINT (C) : N/A | FREEZING POINT (C) : 0 DEG C |
| ODOR THRESHOLD : N/A | VAPOR PRESSURE : N/A |
| VAPOR DENSITY : N/AP | PERCENT VOLATILE : N/A |
| EVAPORATION RATE : N/AP | pH : 10-11 (1% SOLN.) |
| SPECIFIC GRAVITY: 1.080 | COEFF WATER / OIL : N/AP |
| SOLUBILITY IN WATER: SOLUBLE | BULK DENSITY : N/A |

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY : FLAMMABLE

EXTINGUISHING MEDIA : FOR LARGE FIRES USE FOAM. FOR SMALL FIRES CO2 OR DRY CHEMICAL MAY BE USED.

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

FIRE & EXPLOSION HAZARDS : MAY PRODUCE A FLOATING FIRE HAZARD IN EXTREME CASES.

FLASHPOINT : N/A

AUTO-IGNITION TEMPERATURE (C): N/A

UPPER FLAMMABILITY LIMIT : N/A

LOWER FLAMMABILITY LIMIT : N/A

HAZARDOUS COMB. PROD. : SEE SECTION V

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 : SEE BELOW
CONDITIONS TO AVOID : STRONG ACIDS, STRONG OXIDIZING AGENTS
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS DECOMPOSITION: CO₂

SECTION VI - TOXICOLOGICAL EFFECTS

CHRONIC AND ACUTE EFFECTS UPON ROUTES OF ENTRY

EYE CONTACT: IRRITANT. WILL CAUSE SEVERE BURNS THAT RESULTS IN DAMAGE TO THE EYES.

SKIN CONTACT: IRRITANT, CORROSIVE. MAY CAUSE SEVERE BURNS WITH PROLONGED EXPOSURE.

INGESTION: CAN CAUSE SEVERE BURNS. LARGE AMOUNTS CAN CAUSE NAUSEA, REDUCED BLOOD PRESSURE AND COLLAPSE.

INHALATION: IRRITATION OF NOSE, THROAT AND LUNGS.

| | | | |
|-----------------|--------|-----------------------|--------|
| EXPOSURE LIMITS | : NONE | SYNERGISTIC PRODUCTS | : NONE |
| IRRITANCY | : NONE | SENSITIZATION | : NONE |
| CARCINOGENICITY | : NONE | TERATOGENICITY | : NONE |
| MUTAGENICITY | : NONE | REPRODUCTIVE TOXICITY | : NONE |

SECTION VII - EMERGENCY AND FIRST AIR 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: FLUSH WITH WATER FOR 30 MINUTES. REMOVE CONTAMINATED CLOTHING. COMPLETELY DECONTAMINATE CLOTHING AND ALL PROTECTIVE EQUIPMENT.

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

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.

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SPILL & LEAK PROCEDURES : WEAR NECESSARY PROTECTIVE CLOTHING AND EQUIPMENT. PUMP SPILLED PRODUCT INTO WASTE CONTAINER. CONTAIN LARGE SPILLS FOR LATER DISPOSAL.

WASTE DISPOSAL : DISPOSE ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL LAWS.

HANDLING & STORAGE : STORE IN CLOSED CONTAINERS IN DRY, COOL AREAS. DO NOT STORE NEAR ACIDS.

SECTION IX - TRANSPORT AND REGULATORY INFORMATION

TDG REGULATION : CORROSIVE LIQUID, FLAMMABLE, N.O.S.*
(DIETHYL ETHANOLAMINE) CLASS 8(3), UN 2920, PG II

WHMIS CLASSIFICATION : CLASS B-2, D-2B, E

PREPARED BY: TECHNICAL SERVICES DEPARTMENT
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