

T. DONOVAN & SON (1997) LTD.
MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: TRIPLE C #56

CHEMICAL NAME: REVERSE OSMOSIS ANTISCALANT

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 #
ORGANIC ACID SALT	15-25 %	n/a
PHOSPHORIC ACID	< 1	7664-38-2
ACRYLIC TERPOLYMER	10-20 %	0151006-66-5
SODIUM HYDROXIDE FOR pH ADJUSTMENT	1-5 %	1310-73-2
WATER	BALANCE	

SECTION III - PHYSICAL DATA

PHYSICAL STATE	: LIQUID	ODOR	: MILD
BOILING POINT (C)	: N/A	FREEZING POINT (C)	: -6 DEG C
ODOR THRESHOLD	: N/A	VAPOR PRESSURE	: N/A
VAPOR DENSITY	: < 1	PERCENT VOLATILE	: N/A
EVAPORATION RATE	: < 1	pH	: 5.3-5.5 AS IS
SPECIFIC GRAVITY: 1.2 @ 20 DEG C		COEFF WATER / OIL	: N/AP
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 : >93.3 DEG C

AUTO-IGNITION TEMPERATURE (C): N/A

UPPER FLAMMABILITY LIMIT : N/A

LOWER FLAMMABILITY LIMIT : N/A

HAZARDOUS COMB. PROD. : NONE KNOWN

EXPLOSION SENSITIVITY TO IMPACT: N/A

SENSITIVITY TO STATIC : N/A

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SECTION V - REACTIVITY DATA

CHEMICAL STABILITY : YES, STABLE UNDER NORMAL CONDITIONS OF USE.
INCOMPATIBILITY : ALKALIS. STRONG OXIDIZING AGENTS.
CONDITIONS TO AVOID : NONE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS DECOMPOSITION: THERMAL DECOMPOSITION YIELDS ELEMENTAL OXIDES.

SECTION VI - TOXICOLOGICAL EFFECTS

CHRONIC AND ACUTE EFFECTS UPON ROUTES OF ENTRY

EYE CONTACT: SLIGHT IRRITATION

SKIN CONTACT: SLIGHT SKIN IRRITATION

INHALATION: IRRITATION OF NOSE, THROAT AND LUNGS. HEADACHE AND NAUSEA

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 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: 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.

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SECTION IX - TRANSPORT AND REGULATORY INFORMATION

TDG REGULATION : CORROSIVE LIQUID N.O.S.
(SODIUM HYDROXIDE SOLUTION)
CLASS 8, UN 1760, PG II

WHMIS CLASSIFICATION : E, D2,B

PREPARED BY: TECHNICAL SERVICES DEPARTMENT
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