



PMC Water Systems Services Inc.

124 Connie Crescent, Unit 9
Concord, ON L4K 1L7
telephone - (905) 669-8262
fax - (905) 669-8252

MATERIAL SAFETY DATA SHEET

GROTAN U-15

MATERIAL IDENTIFICATION AND USE

MANUFACTURER'S NAME..... PMC WATER SYSTEMS SERVICES INC.
MANUFACTURER'S ADDRESS.. 124 CONNIE CRES. #9 CONCORD, ON L4K 1L7
MANUFACTURER'S PHONE #.. (905) 669 8262
24 HR. EMERGENCY PHONE # CANUTEC(613) 996-6666
PRODUCT IDENTIFIER..... GROTAN U-15
PRODUCT USE..... WATER TREATMENT BIOCIDES
WHMIS CLASS..... NOT WHMIS REGULATED
TDG CLASS..... CORROSIVE LIQUID, ACIDIC, ORGANIC N.O.S.
(5-CHLORO-2-METHYL-4-ISOTHIOZOLIN-3-ONE)
CLASS 8, UN 3265, PG II

HAZARDOUS INGREDIENTS OF MATERIAL

CHEMICAL IDENTITY	CONCENTRATION	CAS#/NA#/UN#	LD (50)	LC (50)
METHYLISOTHIAZOLIN	1-5%	CAS 26172554	457 mg/kg	NO DATA
METHYLISOTHIAZOLIN	0.1-1%	CAS 26172554	457 mg/kg	NO DATA

All the Remaining ingredients are not classified as hazardous according to the DSL.

PHYSICAL DATA FOR PRODUCT

PHYSICAL STATE..... LIQUID
ODOUR AND APPEARANCE..... LIGHT YELLOW/AROMATIC
ODOUR THRESHOLD..... NO DATA AVAILABLE
SPECIFIC GRAVITY..... 1.033 G/CC
VAPOUR PRESSURE..... 18.0 mm HG
VAPOUR DENSITY (AIR =1)... < 1.00
EVAPORATION RATE..... < 1.00
BOILING POINT..... > 100° C
FREEZING POINT..... -2° C
pH..... 3.0
COEFFICIENT WATER/OIL DISTRIBUTION...NO DATA AVAILABLE

FIRE AND EXPLOSION HAZARD OF PRODUCT

FLASH POINT AND METHOD

OF DETERMINATION..... NOT APPLICABLE

CONDITIONS OF FLAMMABILITY NOT FLAMMABLE

MEANS OF EXTINCTION..... AS FOR SURROUNDING FIRE

UPPER EXPLOSION LIMIT..... NOT APPLICABLE

LOWER EXPLOSION LIMIT..... NOT APPLICABLE

AUTO-IGNITION TEMPERATURE. NOT APPLICABLE

HAZARDOUS COMBUSTION

PRODUCTS..... SULPHUR DIOXIDE-HYDROGEN CHLORIDE
NOX

REACTIVITY DATA

STABILITY (NORMAL CONDITIONS)..... STABLE

INCOMPATIBLE MATERIALS.....NONE

CONDITIONS OF REACTIVITY..... NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS: NOX, SULPHUR DIOXIDE-H CHLORIDE

TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY

SKIN CONTACT: YES SKIN ABSORPTION: YES EYE CONTACT: YES

INGESTION: YES INHALATION: YES

ACUTE OR OVER EXPOSURE EFFECTS.....CORROSIVE TO SKIN, EYES AND
MUCOUS MEMBRANES. CNS
DEPRESSION

CHRONIC EXPOSURE EFFECTS.....NO DATA AVAILABLE

EXPOSURE LIMIT.....METHYLISOTHIAZOLIN

TLV-TWA 0.1 MG/CU.M (ACGIH 1987-88)

IRRITANCY.....IRRITANT TO EYES, SKIN
RESIRATORY TRACT

SENSITIZATION.....SKIN

CARCINOGENICITY.....NOT CONSIDERED A CARCINOGEN

TERATOGENICITY.....NO DATA AVAILABLE

MUTAGENICITY.....NO DATA AVAILABLE

REPRODUCTIVE EFFECTS.....NO DATA AVAILABLE

PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT..... RUBBER GLOVES; GOGGLES OR FACE
SHIELD; IMPERVIOUS APRON
VENTILATION REQUIREMENTS..... NIOSK APPROVED MASK
SPILL & LEAK PROCEDURES..... SOAK UP WITH AN ABSORBENT
MATERIAL. PUT IN A CLOSED
CONTAINER.
STORAGE REQUIREMENTS..... NOT APPLICABLE

FIRST AID MEASURES

FLUSH EYES WITH ABUNDANT WATER. HOLDING EYELIDS OPEN FOR 30 MINUTES
RINSE SKIN WITH SOAP AND WATER. IN CASE OF INGESTION GIVE WATER, DO
NOT INDUCE VOMITING AND GIVE FLUIDS, CALL A PHYSICIAN.

PREPARATION INFORMATION

PREPARED BY: LAB SERVICES
PMC WATER SYSTEMS SERVICES INC.
124 CONNIE CRES. #9
CONCORD, ONTARIO
L4K 1L7

DATE PREP./REV. 2011/01/25
PHONE: 905-669-8262
FAX: 905-669-8252

N/D-NO DATA N/A-NOT APPLICABLE N/E-NOT ESTABLISHED
C=ORAL R=ORAL RAT

While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc., makes no warranty; the data are offered for your consideration, investigation and verification.