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SAFETY DATA SHEET

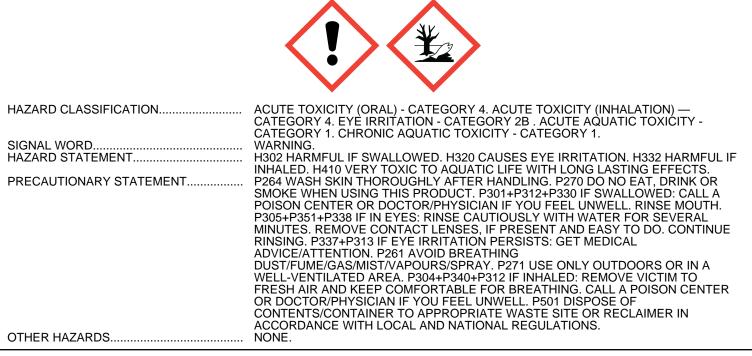
MURSATT CHEMICALS LIMITED 11 REGALCREST COURT WOODBRIDGE, ONTARIO, CANADA, L4L 8P3 (905)-850-8444

PRODUCT: GEN-R-8 ALGAECIDE

SECTION 01: IDENTIFICATION

PRODUCT CODE PRODUCT IDENTIFIER OTHER MEANS OF IDENTIFICATION RECOMMENDED USE AND RESTRICTIONS ON USE	GR80003 GEN-R-8 ALGAECIDE N.AV. N.AV.
SUPPLIER IDENTIFIER	MURSATT CHEMICALS LIMITED 11 REGALCREST COURT WOODBRIDGE, ONTARIO
	CANADA
	L4L 8P3
EMERGENCY PHONE NO	CANUTEC (613)-996-6666.

SECTION 02: HAZARD IDENTIFICATION



SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS HAZARDOUS INGREDIENTS CAS # WT. % 1,2-ETHANEDIAMINE,N,N,N', N',-TETRAMETHYL, POLYMER WITH 31075-24-8 1,1'-OXYBIS (2-CHLOROETHANE) 40-70

SECTION 04: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES: EYE CONTACT	IMMEDIATELY FLUSH THE CONTAMINATED EYE(S) WITH LUKEWARM, GENTLY FLOWING WATER FOR AT LEAST 15 - 20 MINUTES OR UNTIL THE CHEMICAL IS REMOVED, WHILE HOLDING THE EYELID(S) OPEN. TAKE CARE NOT TO RINSE CONTAMINATED WATER INTO UNAFFECTED EYE OR ONTO THE FACE. IF IRRITATION PERSISTS, REPEAT FLUSHING. OBTAIN MEDICAL ATTENTION
SKIN CONTACT	IMMEDIATELY. NO HEALTH EFFECTS EXPECTED. IF IRRITATION DOES OCCUR, FLUSH WITH LUKEWARM, GENTLY FLOWING WATER FOR 5 MINUTES OR UNTIL CHEMICAL IS REMOVED. IF IRRITATION PERSISTS, OBTAIN MEDICAL ADVICE

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SECTION 04: FIRST AID MEASURES

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SECTION 05: FIRE FIGHTING MEASURES			

SECTION 05: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	WATER FOG, CARBON DIOXIDE, FOAM OR DRY CHEMICAL MAY BE USED TO EXTINGUISH FIRE.
UNSUITABLE EXTINGUISHING MEDIA	N.AV.
SPECIAL HAZARDS ARISING FROM THE	NOT FLAMMABLE. SEE HAZARDOUS COMBUSTION PRODUCTS.
PRODUCT:	
HAZARDOUS COMBUSTION PRODUCTS.	OXIDES OF CARBON, OXIDES OF NITROGEN, HALOGENATED COMPOUNDS.
SPECIAL PROTECTIVE EQUIPMENT AND	WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS (SUCH AS
PRECAUTIONS FOR FIRE-FIGHTERS:	"SCOTT AIR-PAK"), AND FULL PROTECTIVE GEAR. ISOLATE "FUEL" SUPPLY FROM
	FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT
	PERSONNEL.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	AVOID CONTACT WITH SKIN, EYES OR CLOTHING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. AVOID BREATHING VAPORS, MIST OR GAS. WEAR APPROPRIATE PROTECTIVE EQUIPMENT.
ENVIRONMENTAL PRECAUTIONS METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	DO NOT ALLOW TO ENTER DRAINS, SEWERS OR WATERCOURSES. COLLECT INTO A SUITABLE CONTAINER FOR DISPOSAL. IF IRRITATING FUMES ARE PRESENT, CONSIDER EVACUATION OF AFFECTED AREAS. LARGER SPILLS MAY REQUIRE A VACUUM.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:..... DO NOT HANDLE UNLESS THE SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. AVOID SKIN AND EYE CONTACT. AVOID INHALATION OF DUST OR VAPOURS. DO NOT PUNCTURE, DRAG OR SLIDE CONTAINERS. DO NOT SMOKE IN ANY CHEMICAL HANDLING OR STORAGE AREA. WASH HANDS BEFORE EATING. STORE IN A DRY WELL-VENTILATED LOCATION. PROTECT FROM FREEZING. KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM INCOMPATIBLE MALERIALS AND IGNITION SOURCES.

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENTS	ACG TWA	GIH TLV STEL	OSHA PEL	STEL	NIOSH REL
1,2-ETHANEDIAMINE,N, N,N', N',-TETRAMETHYL, POLYMER WITH 1,1'-OXYBIS (2-CHLOROETHANE)	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
APPROPRIATE ENGINEERING CONTROLS GENERAL MECHANICAL VENTILATION SYSTEM IS ADEQUATE. HOWEVER. LOCAL EXHAUST SYSTEM IS PREFERRED TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS, WHENEVER MISTING CONDITIONS ARE PRESENT OR THE MATERIAL IS USED IN A CONFINED SPACE.					
INDIVIDUAL PROTECTI SUCH AS PERSONAL F EQUIPMENTS: HAND PROTECTION	ROTECTIVE				

PRODUCT: GEN-R-8 ALGAECIDE

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION	IF MISTING CAN OCCUR, A NIOSH APPROVED FULL MASK RESPIRATOR FOR ORGANIC VAPOR IS REQUIRED. THE LOCAL EHS (ENVIRONMENTAL HEALTH AND SAFETY) PROFESSIONAL MUST IDENTIFY AND EVALUATE THE RESPIRATORY HAZARDS IN THE WORKPLACE. BASED ON THIS EVALUATION, THE EHS PROFESSIONAL MUST SELECT THE APPROPRIATE RESPIRATORY TYPE AND/OR FILTER AS REQUIRED.
EYE PROTECTION PROTECTIVE CLOTHING	CHEMICAL SAFETY GOGGLES.
PROTECTIVE FOOTWEAR OTHER	WEAR CHEMICAL RESISTANT FOOTWEAR. AN EMERGENCY SHOWER COMPLETE WITH EYE-WASH FOUNTAIN IS STRONGLY
HYGIENIC PRACTICES	RECOMMENDED. USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, OR SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

EVAPORATION RATEN.AV.FLAMMABILITY (SOLIDS AND GASES)N.AV.UPPER FLAMMABLE LIMIT (% BY VOL.)N.AV.LOWER FLAMMABLE LIMIT (% BY VOL.)N.AV.VAPOUR PRESSURE (MMHG)N.AV.VAPOUR DENSITY (AIR=1)N.AV.RELATIVE DENSITY (AIR=1)1.13-1.16.SOLUBILITY IN WATER (% W/W)COMPLETELY SOLUBLE.COEFFICIENT OF WATER/OIL DISTN.AV.AUTO IGNITION TEMPERATUREN.AV.VISCOSITYN.AV.

SECTION 10: STABILITY AND REACTIVITY

	CONTACT WITH INCOMPATIBLES. STABLE UNDER NORMAL CONDITIONS OF HANDLING AND STORAGE. PRODUCT IS STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.
CONDITIONS TO AVOID INCOMPATIBLE MATERIALS:	

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS		LC50	LD50
1,2-ETHANEDIAMINE,N,N,N', N',-TETRAMETH 1,1'-OXYBIS (2-CHLOROETHANE)	IYL, POLYMER WITH	N.AV.	1850 MG/KG (ORAL, RAT)
INFORMATION ON LIKELY ROUTES OF ENTRY:			
SKIN CONTACT		RRITATION. EFFECTS MAY VAR' IRE, SOLUTION CONCENTRATIO	
SKIN ABSORPTION EYE CONTACT		MAY VARY DEPENDING ON THE	
INHALATION	HARMFUL IF INHALE	D.	
INGESTION	INGESTION IS NOT E	XPECTED TO BE A PRIMARY RO OWED.	UTE OF EXPOSURE. MAY BE
EFFECTS OF ACUTE EXPOSURE EFFECTS OF CHRONIC EXPOSURE		CHRONIC EXPOSURE TO THIS F	PRODUCT HAVE NOT BEEN

PRODUCT: GEN-R-8 ALGAECIDE

SECTION 11: TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF	
OVEREXPOSURE	
CARCINOGENICITY OF MATERIAL	NOT LISTED IN ANY OF OSHA STANDARDS SECTION 1910.1200 SOURCES AS CARCINOGENIC.
TERATOGENICITY	NONE KNOWN.
MUTAGENICITY	NONE KNOWN.
REPRODUCTIVE EFFECTS	NONE KNOWN.
SENSITIZING CAPABILITY OF MATERIAL	NOT A SENSITIZER.
SYNERGISTIC MATERIALS	NONE KNOWN.
LD 50 OF MATERIAL, SPECIES & ROUTE.	1951 MG/KG (ORAL, RAT); > 2000 MG/KG (DERMAL, RABBIT).
LC 50 OF MATERIAL, SPECIES & ROUTE.	2.9 MG/L 4H (INH, RAT).

SECTION 12: ECOLOGICAL CONSIDERATIONS

ECOTOXICITY	N.AV.
PERSISTENCE AND DEGRADATION	N.AV.
BIOACCUMULATIVE POTENTIAL	N.AV.
MOBILITY IN SOIL	N.AV.
OTHER ADVERSE EFFECTS	N.AV.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:..... DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER PROPER SHIPPING NAME TDG CLASSIFICATION PACKING GROUP ENVIRONMENTAL HAZARDS ACCORDING TO THE INTERNATIONAL MARITIME DANGEROUS GOODS CODE AND THE UNITED NATIONS MODEL REGULATIONS: SPECIAL PRECAUTIONS IN CONNECTION WITH TRANSPORT OR CONVEYANCE	NOT REGULATED. N.AP. N.AV.
EITHER WITHIN OR OUTSIDE THE PREMISES:	

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL N.AV. **REGULATIONS SPECIFIC TO THE** PRODUCT:

SECTION 16: OTHER INFORMATION

N.AV.=NOT AVAILABLE N.AP.=NOT APPLICABLE	
OTHER INFORMATION	THE DATA IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH
	ANY OTHER MATERIAL OR IN ANY PROCESS. THIS DATA IS OFFERED IN GOOD
	FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATIONS. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE
	RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE
	BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THET ARE APPROPRIATE.
PREPARED BY PREPARATION DATE	REGULATORY AFFAIRS

CODE: GR80003