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SAFETY DATA SHEET

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

PRODUCT: STA-CHLOR GRANULAR

SECTION 01: IDENTIFICATION

PRODUCT CODE PRODUCT IDENTIFIER OTHER MEANS OF IDENTIFICATION RECOMMENDED USE AND RESTRICTIONS ON USE SUPPLIER IDENTIFIER	N.AV. MICROBIOCIDE/MICROBIOSTAT, DISINFECTANT, SANITIZER, BACTERICIDE, FUNGICIDE, OR ALGAECIDE. MURSATT CHEMICALS LIMITED
	11 REGALCREST COURT WOODBRIDGE, ONTARIO CANADA
EMERGENCY PHONE NO	L4L 8P3 CANUTEC (613)-996-6666.

SECTION 02: HAZARD IDENTIFICATION

HAZARD CLASSIFICATION	OXIDIZING SOLIDS - CATEGORY 2. ACUTE TOXICITY (INHALATION) — CATEGORY 2. ACUTE TOXICITY (ORAL) - CATEGORY 4. SKIN CORROSION — CATEGORY 1C. SERIOUS EYE DAMAGE - CATEGORY 1. SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - CATEGORY 3 RESPIRATORY SYSTEM. ACUTE AQUATIC TOXICITY - CATEGORY 1. CHRONIC AQUATIC TOXICITY - CATEGORY 1.
SIGNAL WORD HAZARD STATEMENT	DANGER. H272 MAY INTENSIFY FIRE; OXIDIZER. H302 HARMFUL IF SWALLOWED. H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H318 CAUSES SERIOUS EYE DAMAGE. H330 FATAL IF INHALED. H335 MAY CAUSE RESPIRATORY IRRITATION. H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
PRECAUTIONARY STATEMENT	P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. – NO SMOKING. P220 KEEP/STORE AWAY FROM CLOTHING/COMBUSTIBLE MATERIALS. P221 TAKE ANY PRECAUTION TO AVOID MIXING WITH COMBUSTIBLES P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P370+P378 IN CASE OF FIRE: USE ONLY WATER FOR EXTINCTION. P260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. P284 WEAR RESPIRATORY PROTECTION. P304+P340 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P321 SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID INSTRUCTIONS ON THE SAFETY DATA SHEET). P403+P233 STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. P264 WASH SKIN THOROUGHLY AFTER HANDLING. P270 DO NO EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. P301+P330+P331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P301+P312 IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P363 WASH CONTAMINATED CLOTHING BEFORE REUSE. P305+P351+P338+P310 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P261 AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER TO APPROPRIATE WASTE SITE OR RECLAIMER IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.
OTHER HAZARDS	DAMP OR WET MATERIAL MAY GENERATE NITROGEN TRICHLORIDE, AN EXPLOSION HAZARD. CONTACT WITH ACIDS LIBERATES TOXIC GAS.

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SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS				
HAZARDOUS INGREDIENTS		CAS #	WT. %	
1,3,5-TRIAZINE-2,4,6 (1H,3H,5H)-TRIONE, 1,3 SODIUM SALT	3-DICHLORO-,	2893-78-9	97.5	
SECTI	ON 04: FIRST A	ID MEASURES		
	HOLD EYE OPEN WATER FOR 15 T THE FIRST 5 M OR PHYSICIAN F TAKE OFF CONT 15 TO 20 MINUTE TREATMENT AD' MOVE PERSON AMBULANCE,THI MOUTH-TO-MOU PHYSICIAN FOR CALL A PHYSICI/ TREATMENT AD' INDUCE VOMITIN PHYSICIAN. AVO UNCONSCIOUS I SEE SECTION 11	TO 20 MINUTES. REMOV INUTES. THEN CONTIN OR TREATMENT ADVIC AMINATED CLOTHING. Y ES. CALL A POISON CON VICE. TO FRESH AIR. IF PERSY EN GIVE ARTIFICIAL RES TH, IF POSSIBLE. CALL TREATMENT ADVICE AN OR POISON CONTRO VICE. DRINK PROMPTLY IG UNLESS TOLD TO DO DALCOHOL. DO NOT G PERSON CIAN: PROBABLE MUCO	E CONTACT LÉNSES, IF PRESENT, AFTE UE RINSING EYE. CALL A POISON CENTR E WASH SKIN WITH PLENTY OF WATER FO ITROL CENTER OR PHYSICIAN FOR ON IS NOT BREATHING, CALL 911 OR AN SPIRATION, PREFERABLY A POISON CONTROL CENTER OR OL CENTER IMMEDIATELY FOR CLARGE QUANTITIES OF WATER. DO NO O SO BY POISON CONTROL CENTER OR GIVE ANYTHING BY MOUTH TO AN	RE DR N
SECTIO	N 05: FIRE FIGH	ITING MEASURES		
SUITABLE EXTINGUISHING MEDIA UNSUITABLE EXTINGUISHING MEDIA SPECIAL HAZARDS ARISING FROM THE PRODUCT: HAZARDOUS COMBUSTION PRODUCTS. SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:	DO NOT USE AB DIOXIDE, OR HA NEGLIGIBLE FIR ABOVE 240 C (46 EVOLUTION OF I GENERATE NITR DECOMPOSES II CONSIDER EVAC UNNECESSARY CONTAINER FRC INHALATION OF KEEP OUT OF LO SELF-CONTAINE MODE. MATERIA THE OUTSIDE SI ATTEMPT TO RE	LOGENATED EXTINGUIS E HAZARD. IF HEATED E 14 F). THIS PRODUCT WI NOXIOUS GASES BUT N COGEN TRICHLORIDE, A NTO HAZARDOUS GASE CUATION OF PERSONNE PEOPLE AWAY, ISOLAT DM FIRE AREA IF IT CAN MATERIAL OR COMBUS OW AREAS. WEAR NIOS D BREATHING APPARA L WHICH APPEARS UNE HOULD BE OPENED AND	B. DO NOT USE DRY CHEMICALS, CARBO SHING AGENTS. BY OUTSIDE SOURCE TO TEMPERATURE ILL UNDERGO DECOMPOSITION WITH TH O VISIBLE FLAME. WET MATERIAL MAY N EXPLOSION HAZARD. S IN A FIRE. EL LOCATED DOWNWIND. KEEP E HAZARD AREA AND DENY ENIRY. MOV BE DONE WITHOUT RISK. AVOID TION BY-PRODUCTS. STAY UPWIND AND H APPROVED POSITIVE-PRESSURE TUS OPERATED ON PRESSURE DEMANI DAMAGED EXCEPT FOR BEING DAMP ON D INSPECTED IMMEDIATELY. DO NOT DRUMS. DAMP MATERIAL SHOULD BE	ES HE ZE D
SECTION 06	: ACCIDENTAL	RELEASE MEASUR	RES	
PERSONAL PRECAUTIONS	CONTROL - PER NONEMERGEN	SONAL PROTECTION FO	CATED ON SECTION 8. EXPOSURE OR BOTH EMERGENCY AND ERSHEDS, AND WATER SYSTEMS.	

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP KEEP PRODUCT OUT OF SEWERS, WATERSHEDS, AND WATER SYSTEMS. CONTAIN SPILLED MATERIAL. ANY SPILLAGE SHOULD BE CLEANED UP AS SOON AS POSSIBLE. DO NOT ADD WATER TO SPILLED MATERIAL. USING CLEAN, DEDICATED EQUIPMENT, SWEEP AND SCOOP ALL SPILLED MATERIAL, CONTAMINATED SOIL,AND OTHER CONTAMINATED MATERIALS AND PLACE ONTO CLEAN, DRY CONTAINERS FOR DISPOSAL. DO NOT USE CLOSE DRUMS CONTAINING WET OR DAMP MATERIAL. THEY SHOULD BE LEFT OPEN TO DISPERSE ANY NITROGEN TRICHLORIDE THAT MAY FORM. DO NOT TRANSPORT WET OR DAMP MATERIAL. .

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SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:..... DO NOT GET ONTO EYES, ON SKIN OR ON CLOTHING. AVOID BREATHING DUST OR FUMES WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. NEVER ADD WATER TO PRODUCT. ALWAYS ADD PRODUCT TO LARGE QUANTITIES OF WATER. USE CLEAN DRY UTENSILS. DO NOT ADD THIS PRODUCT TO ANY DISPERSING DEVICE CONTAINING REMNANTS OF ANY OTHER PRODUCT. AVOID CONTAMINATION WITH MOISTURE, ORGANIC MATTER, OR OTHER CHEMICALS. AVOID RELEASE TO SEWERS. WATERSHEDS. AND WATER SYSTEMS THROUGH HANDLING. VAPOR SPACE IN CLOSED CONTAINER MAY CONTAIN A SLIGHT AMOUNT OF CHLORINE GAS AND OTHER CHLORINE CONTAINING COMPOUNDS FROM DECOMPOSITION OF PRODUCT. EXPOSURE TO CHLORINE GAS MAY CAUSE BURNING OF THE EYES WITH TEARING; BURNING OF THE NOSE AND MOUTH WITH RUNNY NOSE; AND IRRITATION OF THE LININGS OF THE ENTIRE RESPIRATORY TRACT WITH COUGHING, A CHOKING SENSATION, SUBSTERNAL PAIN, VOMITING, NAUSEA, HEADACHE, DIZZINESS AND FAINTING. THE ONSET OF SEVERE RESPIRATORY SYMPTOMS FOLLOWING EXPOSURE TO CHLORINE, INCLUDING PULMONARY EDEMA AND PNEUMONITIS, MAY BE DELAYED. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE. KEEP MATERIAL CONDITIONS FOR SAFE STORAGE. DRY AND IN DRY AREA. STORE IN ORIGINAL CONTAINER, RETIE POLYETHYLENE INCLUDING ANY IMCOMPATIBILITES: LINER AND KEEP CONTAINER TIGHTLY CLOSED. STORE WHERE TEMPERATURES DO NOT EXCEED 125 F (52 C) FOR 24 HOURS.

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENTS	ACG TWA	GIH TLV STEL	OSHA PEL	STEL	NIOSH REL
1,3,5-TRIAZINE-2,4,6 (1H,3H,5H)-TRIONE, 1,3-DICHLORO-, SODIUM SALT	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
APPROPRIATE ENGINE	ION MEASURE	S GENERAL ROOM VEN TO MINIMIZE EXPOSU			NTS OF EMISSION
SUCH AS PERSONAL F EQUIPMENTS: HAND PROTECTION. RESPIRATORY PROT		WEAR CHEMICAL RES			
EYE PROTECTION		RESPIRATOR EQUIPP CHLORINE GAS AND I MANUFACTURER'S RI PRECAUTIONARY ME WEAR CHEMICAL SAF	PED WITH CHEMICAL DUST. NIOSH/MSHA ECOMMENDATIONS, ASURE WHERE AIRE	CARTRIDGE FOR PR APPROVED RESPIRA SHOULD BE USED A	OTECTION AGAINST TOR, FOLLOWING S A
PROTECTIVE CLOTH	-	WEAR PROTECTIVE C SHIRT, LONG PANTS. WEAR CHEMICAL-RES		ENT SKIN CONTACT. L	ONG-SLEEVED
OTHER HYGIENIC PRACTICES		EYEWASH STATION A LAUNDER CONTAMIN USE DISCARD CLOTH DRENCHED OR HEAV DO NOT REUSE THEM CLEANING/MAINTAINI DETERGENT AND HC OTHER LAUNDRY.	ND SAFETY SHOWE ATED CLOTHING AN IING OR OTHER ABS ILY CONTAMINATED I. FOLLOW MANUFA NG PPE. IF NO SUCH	D WASH HANDS AND ORBENT MATERIALS WITH THIS PRODUC CTURER'S INSTRUCT I INSTRUCTIONS FOR	THAT HAVE BEEN T'S CONCENTRATE. IONS FOR R WASHABLES, USE

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT FLASH POINT (C), METHOD EVAPORATION RATE FLAMMABILITY (SOLIDS AND GASES) UPPER FLAMMABLE LIMIT (% BY VOL.)	WHITE. SLIGHT CHLORINE ODOR. N.AV. 6.4. DECOMPOSES WITHOUT MELTING @ 252 C (486 F). N.AP. NONE. N.AP. N.AV. N.AV. N.AP.
LOWER FLAMMABLE LIMIT (% BY VOL.)	N.AP.
VAPOUR PRESSURE (MMHG)	

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

VAPOUR DENSITY (AIR=1)	N.AP.
RELATIVE DENSITY	
SOLUBILITY IN WATER (% W/W) COEFFICIENT OF WATER/OIL DIST	24.3 G/100 ML.
COEFFICIENT OF WATER/OIL DIST	N.AV.
AUTO IGNITION TEMPERATURE	N.AP.
DECOMPOSITION TEMPERATURE	252 C (486 F).
VISCOSITY	N.AP.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	HAZARDOUS POLYMERISATION WILL NOT OCCUR. THIS MATERIAL IS A STRONG
CHEMICAL STABILITY:	OXIDIZING AGENT. STABLE UNDER NORMAL CONDITIONS OF HANDLING AND STORAGE.
POSSIBILITY OF HAZARDOUS REACTIONS:	DO NOT GET WATER INSIDE CONTAINER. WET MATERIAL MAY GENERATE NITROGEN TRICHLORIDE, AN EXPLOSION HAZARD. AVOID CONTACT WITH EASILY
CONDITIONS TO AVOID	OXIDIZABLE ORGANIC MATERIAL. CONTACT WITH ACIDS LIBERATES TOXIC GAS. THE PREPARATION OF CONCENTRATED SOLUTIONS OR SLURRIES IS NOT
	RECOMMENDED. AVOID CONTACT WITH WATER ON CONCENTRATED MATERIAL IN THE CONTAINER.
INCOMPATIBLE MATERIALS:	EASILY OXIDIZABLE ORGANIC MATERIAL; AMMONIA, UREA OR SIMILAR NITROGEN CONTAINING COMPOUNDS; INORGANIC REDUCING COMPOUNDS; FLOOR
	SWEEPING COMPOUNDS; CALCIUM HYPOCHLORITE; ALKALIS.
DECOMPOSITION	CHLORINE CONTAINING GASES CAN BE PRODUCED.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS		LC50	LD50
1,3,5-TRIAZINE-2,4,6 (1H,3H,5H)-TRIONE, 1,3-DICHLORO-, SODIUM SALT		SEE SECTION 11	SEE SECTION 11
LD 50 OF MATERIAL, SPECIES & ROUTE. LC 50 OF MATERIAL, SPECIES & ROUTE. INFORMATION ON LIKELY ROUTES OF ENTRY:		AL, RAT); >2000 MG/KG BW (DER NH, RAT).	MAL, RABBIT).
SKIN CONTACT		E IRRITATION AND/OR BURNS, C G AND SCAB FORMATION.	HARACTERUIZED BY
SKIN ABSORPTION EYE CONTACT	N.AV. EXPOSURE TO SOL IRRITATION, BURNIN SECOND, OR THIRD WET MATERIAL. THIS	ID ALONG WITH MOISTURE MA IG SENSATION, SWELLING, BLIS DEGREE BURNS. DRY MATERIA S MATERIAL IS NOT A SKIN SENS	TER FORMATION, FIRST, L IS LESS IRRITATING THAN
INHALATION	WITH GUINEA PIGS THIS MATERIAL IN THE FORM AS SOLID IS NOT EXPECTED TO PRODUCE RESPIRATORY EFFECTS. PARTICLES F RESPIRABLE SIZE ARE GENERALLY NO ENCOUNTERED. THE RESPIRABLE FRACTION IS TYPICALLY LESS THAN 0.1% I WEIGHT FOR THE GRANULAR GRADES. IF GROUND OR OTHERWISE IN A POWDERED FORM, EFFECTS SIMILAR TO CORROSIVE SUBSTANCE MAY OCCU EXPOSURE TO THE SOLID PRODUCT OR TO FREE CHLORINE EVOLVING FROM THE PRODUCT MAY CAUSE IRRITATRON. REDNESS OF UPPER AND LOWER AIRWAY, COUGHING, LARYNGEOSPASM AND EDEMA. SHORTNESS OF BREATH BRONCHOCONSTRICTION. AND POSSIBLE PULMONARY EDEMA. THE PULMONA EDEMA MAY DEVELOP SEVERAL HOURS AFTER A SEVERE ACUTE EXPOSURE.		
INGESTION	EXPOSURE BY INGE CAUSE LOCAL TISSU MOUTH, ESOPHAGU ULCERATION, AND M	STION MAY CAUSE IRRITATION, JE DAMAGE TO EPIGLOTTIS. MU S AND STOMACH SUCH AS BUR MAY CAUSE GASTROINTESTINAL	NAUSEA AND VOMITING. MAY CUS MEMBRANES OF THE NING. INFLAMMATION, LOCAL
EFFECTS OF ACUTE EXPOSURE EFFECTS OF CHRONIC EXPOSURE	NONE IDENTIFIED FO	CENTRATIONS OF MONOSODIUN AY CAUSE CARDIOVASCULAR, K	I CYANURATE AT THE
SIGNS AND SYMPTOMS OF OVEREXPOSURE CARCINOGENICITY OF MATERIAL TERATOGENICITY MUTAGENICITY	N.AV. NOT CLASSIFIED AS	A MUTAGEN PER GHS CRITERIA NS AND 1 E. COLI STRAIN WITH	A. NOT MUTAGENIC IN

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SECTION 11: TOXICOLOGICAL INFORMATION

REPRODUCTIVE EFFECTS.....

NOT CLASSIFIED AS A REPRODUCTIVE TOXIN PER GHS CRITERIA. THERE ARE NO KNOWN OR RECORDED EFFECTS ON REPRODUCTIVE FUNCTION OR FETUS DEVELOPMENT.

SENSITIZING CAPABILITY OF MATERIAL N.AV. SYNERGISTIC MATERIALS...... N.AV.

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

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	
	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	
	JAN 1/2024

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