



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

PRODUCT: STA-CHLOR GRANULAR

CODE: MUR0021

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER..... MURSATT CHEMICALS LIMITED
11 REGALCREST COURT
WOODBIDGE, ONTARIO
CANADA
L4L 8P3
PREPARED BY..... REGULATORY AFFAIRS
PREPARATION DATE..... May25/11
PRODUCT NAME..... STA-CHLOR GRANULAR
PRODUCT CODE..... MUR0021
CHEMICAL FORMULA..... CL2C3N3O3NA.
MOLECULAR WEIGHT..... N.AV.
CHEMICAL FAMILY..... N.AV.
MATERIAL USE..... N.AV.
EMERGENCY PHONE NO..... CANUTEC (613)-996-6666.

Section 02: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
SKIN CONTACT..... CAN CAUSE SEVERE IRRITATION AND/OR BURNS, CHARACTERIZED BY REDNESS, SWELLING AND SCAB FORMATION.
SKIN ABSORPTION..... N.AV.
EYE CONTACT..... CAN CAUSE SEVERE IRRITATION AND/OR BURNS, CHARACTERIZED BY REDNESS, SWELLING AND SCAB FORMATION. MAY CAUSE IMPAIRMENT OF VISION AND CORNEAL DAMAGE.
INHALATION..... IRRITATING TO THE NOSE, MOUTH, THROAT AND LUNG.
INGESTION..... CAN CAUSE IRRITATION AND/OR BURNS TO THE GASTROINTESTINAL TRACT.
EFFECTS OF ACUTE EXPOSURE..... EYE IRRITATION (RABBIT, 24H): CORROSIVE. SKIN IRRITATION (RABBIT, 24H): CORROSIVE.
EFFECTS OF CHRONIC EXPOSURE..... THERE ARE NO KNOWN OR REPORTED EFFECTS FROM REPEATED EXPOSURE.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route, Species	LC/50 Route, Species
SODIUM DICHLORO-S-TRIAZINE-TRIONE	60-100	SEE SECTION 11	2893-78-9	SEE SECTION 11	SEE SECTION 11

Section 04: FIRST AID MEASURES

EYE CONTACT..... IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION REMAINS AFTER FLUSHING, CALL A PHYSICIAN AT ONCE.
SKIN CONTACT..... PROMPTLY WASH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. IF CLOTHING IS CONTAMINATED WITH TCCA, REMOVE THE CLOTHING IMMEDIATELY AND WASH IT BEFORE REUSE.
INGESTION..... IMMEDIATELY DRINK LARGE AMOUNT OF WATER. DO NOT INDUCE VOMITING. IMMEDIATE MEDICAL ATTENTION IS REQUIRED.
INHALATION..... REMOVE TO FRESH AIR. CALL A PHYSICIAN.
NOTES TO PHYSICIAN..... N.AV.

Section 05: FIRE FIGHTING MEASURES

T.D.G. FLAM. CLASS..... NON FLAMMABLE.
FLAMMABILITY..... NON-FLAMMABLE.
IF YES, UNDER WHICH CONDITIONS?..... THIS PRODUCT IS NOT FLAMMABLE ITSELF, HOWEVER, A THERMAL DECOMPOSITION WILL OCCUR AT ABOVE 240 (C).
EXTINGUISHING MEDIA..... A THERMAL DECOMPOSITION CAN BE EXTINGUISHED BY FLOODING WITH COPIOUS AMOUNT OF WATER OR BY ISOLATING THE DECOMPOSING MATERIAL IN OPEN AIR AND ALLOW IT TO BE CONSUMED. DO NOT USE DRY FIRE EXTINGUISHERS CONTAINING AMMONIUM COMPOUNDS.
SPECIAL PROCEDURES..... THIS PRODUCT DECOMPOSES INTO HAZARDOUS GASES IN A FIRE. USE SELF-CONTAINED BREATHING APPARATUS AND GOGGLES. DO NOT APPROACH FROM LEEWARD.
FLASH POINT (C), METHOD..... NONE.
AUTO IGNITION TEMPERATURE..... N.AP.
UPPER FLAMMABLE LIMIT (% BY VOL.).... N.AP.
LOWER FLAMMABLE LIMIT (% BY VOL.)... N.AP.
EXPLOSION DATA..... N.AP.

PRODUCT: STA-CHLOR GRANULAR

CODE: MUR0021

Section 05: FIRE FIGHTING MEASURES

EXPLOSIVE POWER..... N.AP.
 RATE OF BURNING..... N.AP.
 SENSITIVITY TO STATIC DISCHARGE..... N.AV.
 SENSITIVITY TO IMPACT..... N.AV.
 HAZARDOUS COMBUSTION PRODUCTS.. DECOMPOSES INTO HAZARDOUS GASES IN A FIRE.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... REFER TO SECTION 8 FOR PERSONAL PROTECTION WHEN HANDLING THE SPILLAGE OF TCCA. ANY SPILLAGE OF TCCA SHOULD BE CLEANED UP AS SOON AS POSSIBLE TO PREVENT CONTAMINATION WITH FOREIGN MATERIALS WITH WHICH IT MAY REACT. SEE SECTION 10 - STABILITY AND REACTIVITY. SWEEPINGS OR WASTE MATERIAL SHOULD NOT BE PUT INTO BINS. DAMP OR CONTAMINATED MATERIAL SHOULD NOT BE REPACKED IN CONTAINERS. SEE SECTION 13 FOR DISPOSAL OF SPILLAGE. DO NOT RELEASE UNNEUTRALIZED TCCA TO SEWERS, WATERSHEDS, AND WATER SYSTEMS.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND DO NOT GET INTO EYES, ON SKIN, AND ON CLOTHING. DO NOT BREATHE DUST OR FUMES. MAY BE FATAL IF SWALLOWED. USE PROTECTIVE EQUIPMENT EQUIPMENT RECOMMENDED IN SECTION 8.
 STORAGE NEEDS..... STORE IN A COOL, DRY AND WELL-VENTILATED AREA. DO NOT ALLOW WATER TO GET INTO CONTAINER. CLOSE CONTAINER TIGHTLY AFTER EACH USE. KEEP AWAY FROM FIRE, HEAT, FLAME, AND DIRECT SUN LIGHT. KEEP AWAY FROM INCOMPATIBLE MATERIALS LISTED IN SECTION 10. KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS.

Section 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

GLOVES/ TYPE..... WEAR PROTECTIVE GLOVES.
 RESPIRATORY/TYPE..... AVOID BREATHING DUST OR VAPOR. WEAR AN OFFICIALLY APPROVED RESPIRATOR EQUIPPED WITH CHEMICAL CARTRIDGE FOR PROTECTION AGAINST CHLORINE GAS AND DUST.
 EYE/TYPE..... WEAR CHEMICAL SPLASH GOGGLES. WASH EYES WITH CLEAN WATER WHEN THERE IS POTENTIAL EYE CONTACT.
 FOOTWEAR/TYPE..... PROTECTIVE FOOTWEAR.
 CLOTHING/TYPE..... WEAR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.
 OTHER/TYPE..... EYEWASH STATION AND SAFETY SHOWER IN WORK AREA.
 ENGINEERING CONTROLS..... USE LOCAL EXHAUST VENTILATION.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... SOLID (TABLETS).
 COLOR..... WHITE.
 ODOUR..... CHLORINE.
 ODOUR THRESHOLD..... N.AV.
 VAPOUR PRESSURE (MMHG)..... N.AP.
 VAPOUR DENSITY (AIR=1)..... N.AP.
 BY VOLUME..... N.AP.
 BY WEIGHT..... N.AP.
 EVAPORATION RATE..... N.AP.
 BOILING POINT..... N.AP.
 PH..... 6.0 (1% SOLUTION).
 SPECIFIC GRAVITY (WATER=1)..... 2.03 AT 23 DEGREE C.
 SOLUBILITY IN WATER (% W/W)..... 30 G/100 G WATER AT 25 DEGREE C.
 COEFFICIENT OF WATER/OIL DIST..... N.AV.

Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:..... STABLE UNDER NORMAL CONDITIONS OF HANDLING AND STORAGE.
 CONDITIONS TO AVOID..... DECOMPOSES AT TEMPERATURE ABOVE 240°C FANNING HAZARDOUS GASES. DAMP OR SLIGHTLY WET CONDITION SHOULD BE AVOIDED. CONTACT WITH SMALL QUANTITY OF WATER MAY RESULT A EXPLOSIVE REACTION WITH THE GENERATION TRICHLORIDE.
 MATERIALS TO AVOID..... ORGANIC MATERIALS, OILS, GREASE, SAWDUST, REDUCING AGENTS, NITROGEN CONTAINING COMPOUNDS, SODIUM HYPOCHLORITE, CALCIUM HYPOCHLORITE AND OTHER OXIDIZERS, ACID AND ALKALIS.
 HAZARDOUS PRODUCTS OF SEE HAZARDOUS COMBUSTION PRODUCTS.
 DECOMPOSITION
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

PRODUCT: STA-CHLOR GRANULAR

CODE: MUR0021

Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL..... N.AV.
 LC 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.
 LD 50 OF MATERIAL, SPECIES & ROUTE.. ORAL (MOUSE): 1670 MG/KG.
 CARCINOGENICITY OF MATERIAL..... THIS CHEMICAL IS NOT CONSIDERED TO BE CARCINOGENIC BY ANY REFERENCE SOURCE.
 REPRODUCTIVE EFFECTS..... N.AV.
 IRRITANCY OF MATERIAL..... SEE SECTION 2.
 SENSITIZING CAPABILITY OF MATERIAL. N.AV.
 SYNERGISTIC MATERIALS..... N.AV.

Section 12: ECOLOGICAL CONSIDERATIONS

ECOLOGICAL INFORMATION..... HIGHLY TOXIC TO FISH.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

Section 14: TRANSPORT INFORMATION

TDG CLASSIFICATION..... 5.1.
 PROPER SHIPPING NAME..... DICHLOROISOCYANURIC ACID SALTS.
 UN NUMBER..... 2465.
 PACKING GROUP..... II.
 SPECIAL SHIPPING INSTRUCTIONS..... "LIMITED QUANTITY", PACKAGED IN 800 GRAM JARS.

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... C, E.
 CPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

Section 16: OTHER INFORMATION

N.AP.=NOT APPLICABLE
 N.AV.=NOT AVAILABLE
 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 THEY ARE APPROPRIATE.