



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..... Jun01/08
PRODUCT NAME..... STA-CHLOR GRANULAR
PRODUCT CODE..... MUR0021
CHEMICAL FORMULA..... SEE SECTION 02.
MOLECULAR WEIGHT..... N.AV.
CHEMICAL FAMILY..... N.AV.
MATERIAL USE..... SPA WATER SANITIZER.
EMERGENCY PHONE NO..... CANUTEC (613)-996-6666.

Section 02: 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	N.AV.	2893-78-9	700 MG/KG (ORAL, RAT)	N.AV.

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
SKIN CONTACT..... IRRITANT IF ALLOWED TO REMAIN ON SKIN.
SKIN ABSORPTION..... YES.
EYE CONTACT..... CORROSIVE TO EYES. CAUSES IRREVERSIBLE EYE DAMAGE.
INHALATION..... MAY CAUSE IRRITATION OF NOSE AND THROAT, WITH SYMPTOMS SUCH AS SORE
THROAT AND COUGHING.
INGESTION..... MAY BE FATAL IF SWALLOWED. IF INGESTED, MAY CAUSE BURNS TO MOUTH,
THROAT AND DIGESTIVE TRACT.
EFFECTS OF ACUTE EXPOSURE..... SEE ABOVE.
EFFECTS OF CHRONIC EXPOSURE..... THERE WERE NO COMPOUND EFFECT OBSERVED AFTER FEEDING 1200 PPM
SOLUTION FOR 59 DAYS (RATS).
INHALATION, CHRONIC..... N.AV.

Section 04: FIRST AID MEASURES

EYE CONTACT..... IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 20 MINUTES. SEEK
MEDICAL ATTENTION.
SKIN CONTACT..... WASH WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION IF
IRRITATION OCCURS AND PERSISTS.
INGESTION..... DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IMMEDIATELY. RINSE
MOUTH WITH WATER, GIVE VICTIM 2 GLASSES OF WATER . NEVER GIVE
ANYTHING BU MOUTH IF VICTIM IS UNCONSCIOUS.
INHALATION..... REMOVE TO FRESH AIR. ASSIST BREATHING IF NECESSARY. SEEK MEDICAL
ATTENTION IF EFFECTS PERSISTS.
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?
EXTINGUISHING MEDIA..... WATER.
SPECIAL PROCEDURES..... A SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE
INVOLVING THE MATERIAL.
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.
EXPLOSIVE POWER..... N.AP.
RATE OF BURNING..... N.AP.
SENSITIVITY TO STATIC DISCHARGE..... N.AV.
SENSITIVITY TO IMPACT..... N.AV.

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Section 05: FIRE FIGHTING MEASURES

HAZARDOUS COMBUSTION PRODUCTS.. CHLORINE.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... SWEEP UP, COLLECT IN SUITABLE AND PROPERLY LABELLED CONTAINERS. DISPOSE OF ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL REGULATIONS. FLUSH WITH WATER.

Section 07: HANDLING AND STORAGEHANDLING PROCEDURES AND DO NOT GET INTO EYES. DO NOT BREATHE DUST. AVOID CONTACT WITH SKIN EQUIPMENT AND CLOTHING. DO NOT INGEST. WASH CONTAMINATED CLOTHING BEFORE RE-USE. USE GOOD INDUSTRIAL HYGIENE PRACTICES.
STORAGE NEEDS..... STORE IN A COOL, DRY, WELL-VENTILATED LOCATION AWAY FROM INCOMPATIBLE MATERIALS AND OUT OF REACH FROM CHILDREN.**Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**GLOVES/ TYPE..... RUBBER GLOVES.
RESPIRATORY/TYPE..... WEAR A NIOSH/MSHA APPROVED DUST RESPIRATOR IF DUSTING OCCURS, OR THERE IS A POTENTIAL FOR AIRBORNE EXPOSURES TO EXCEED ESTABLISHED THRESHOLD VALUES.
EYE/TYPE..... CHEMICAL SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL SAFETY GOGGLES.
FOOTWEAR/TYPE..... RUBBER BOOTS.
CLOTHING/TYPE..... LONG SLEEVE CLOTHING TO PREVENT EXPOSURE AND PERSONAL CONTACT.
OTHER/TYPE..... N.AV.
ENGINEERING CONTROLS..... LOCAL EXHAUST AND GENERAL 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:
YES..... STABLE.
NO, WHICH CONDITIONS?..... CONTACT WITH INCOMPATIBLES. DAMPNES AND MOISTURE. REACTS WITH WATER TO FORM BLEACH SOLUTION AND RELEASE CHLORINE.
CONDITIONS TO AVOID..... SEE ABOVE.
COMPATABILITY WITH OTHER SUBSTANCES:
YES
NO, WHICH ONES?..... CALCIUM HYPOCHLORITE, SODIUM HYPOCHLORITE, OIL AND GREASE, OXIDIZING MATERIALS, ORGANIC MATERIALS, OTHER CHLORINE COMPOUNDS, FLAMMABLE OR COMBUSTIBLE MATERIALS, NITROGEN- CONTAINING COMPOUNDS, HYDRATED SALTS, ACIDS, ALKALIS, REDUCING AGENTS.
REACTIVITY CONDITIONS:..... CONTACT WITH INCOMPATIBLES.
HAZARDOUS PRODUCTS OF DECOMPOSITION OXIDES OF CARBON. NITROGEN TRICHLORIDE, NITROGEN TRICHLORAMINE, CHLORINE. TRACES OF PHOSGENE GAS AT TEMPERATURES GREATER THAN 204 DEGREES C.
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

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Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL
 LC 50 OF MATERIAL, SPECIES & ROUTE.. SEE SECTION 02.
 LD 50 OF MATERIAL, SPECIES & ROUTE.. SEE SECTION 02.
 CARCINOGENICITY OF MATERIAL..... NOT LISTED BY IARC, NTP OR OSHA.
 REPRODUCTIVE EFFECTS..... N.AV.
 IRRITANCY OF MATERIAL..... SEVERE EYE IRRITANT. SEVERE IRRITANT IF ALLOWED TO REMAIN ON SKIN.
 SENSITIZING CAPABILITY OF MATERIAL. N.AV.
 SYNERGISTIC MATERIALS..... N.AV.

Section 12: ECOLOGICAL CONSIDERATIONS

ECOLOGICAL INFORMATION..... N.AV.

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

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.
 WHMIS CLASSIFICATION..... C, D1B, D2B.

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.