

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

CODE: MUR0027 PRODUCT: SUPER-SHOCK

SECTION 01: IDENTIFICATION

PRODUCT CODE... PRODUCT IDENTIFIER..... OTHER MEANS OF IDENTIFICATION...... RECOMMENDED USE AND RESTRICTIONS ON USE

SUPPLIER IDENTIFIER.....

MUR0027 SUPER-SHOCK N.AV.

INDUSTRIAL APPLICATION, CHLORINE DISINFECTANT, POOL CHEMICALS.

MURSATT CHEMICALS LIMITED 11 REGALCREST COURT WOODBRIDGE, ONTARIO **CANADA** L4L8P3

EMERGENCY PHONE NO...... CANUTEC (613)-996-6666.

SECTION 02: HAZARD IDENTIFICATION



HAZARD CLASSIFICATION..... OXIDIZING SOLIDS - CATEGORY 2. ACUTE TOXICITY (ORAL) - CATEGORY 4. SKIN

CORROSION - CATEGORY 1B. 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..... DANGER.

HAZARD STATEMENT..... H272 MAY INTENSIFY FIRE; OXIDIZER. H302 HARMFUL IF SWALLOWED. H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H318 CAUSES SERIOUS EYE DAMAGE. H335 MAY CAUSE RESPIRATORY IRRITATION. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO PRECAUTIONARY STATEMENT.....

SMOKING. P220 KEEP/STORE AWAY FROM CLOTHING/COMBUSTIBLE MATERIALS. P221 TAKE ANY PRECAUTION TO AVOID MIXING WITH COMBUSTIBLES.... P260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P264 WASH SKIN THOROUGHLY AFTER HANDLING. P270 DO NO EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE

PROTECTION. P301+P312+P330 IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. RINSE MOUTH. P301+P330+P331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P303+P361+P353 IF ON

SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P304+P340+P310 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE

FOR BREATHING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. 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. P363 WASH CONTAMINATED CLOTHING BEFORE REUSE.

P370+P378 IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR

ALCOHOL-RESISTANT FOAM FOR EXTINCTION. P391 COLLECT SPILLAGE P403+P233 STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER TO APPROPRIATE WASTE SITE OR RECLAIMER IN ACCORDANCE WITH LOCAL AND

NATIONAL REGULATIONS

CONTACT WITH ACIDS LIBERATES TOXIC GAS.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS					
HAZARDOUS INGREDIENTS	CAS#	WT. %			
CALCIUM HYPOCHLORITE	7778-54-3	60-100			
CALCIUM CHLORATE	10137-74-3	0-3			
CALCIUM CARBONATE	471-34-1	1-5			
CALCIUM HYDROXIDE	1305-62-0	1-5			
SODIUM CHLORIDE	7647-14-5	10-30			

SECTION 04: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT..... IN CASE OF CONTACT WITH SUBSTANCE, IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 20 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AFTER THE FIRST 5 MINUTES. CONTINUE RINSING. CALL A POISON CONTROL CENTER OR DOCTOR FOR FURTHER TREATMENT ADVICE.

FOR MINOR SKIN CONTACT, AVOID SPREADING MATERIAL ON UNAFFECTED SKIN. IN CASE OF CONTACT WITH SUBSTANCE, IMMEDIATELY FLUSH SKIN WITH RUNNING WATER FOR AT LEAST 20 MINUTES. REMOVE AND ISOLATE SKIN CONTACT.....

CONTAMINATED CLOTHING. CALL A POISON CENTER OR DOCTOR FOR

TREATMENT ADVICE.

INHALATION..... MOVE VICTIM TO FRESH AIR. IF PERSON IS NOT BREATHING, CALL 911 OR AN

AMBULANCE, THEN GIVE ARTIFICIAL RESPIRATION. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INHALED THE SUBSTANCE; GIVE

ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. CALL A POISON CONTROL CENTER OR DOCTOR FOR FURTHER TREATMENT ADVICE. IF SWALLOWED, SEEK MEDICAL ATTENTION IMMEDIATELY FROM POISON

CONTROL CENTER OR DOCTOR. HAVE A PERSON SIP A GLASS OF WATER, IF ABLE TO SWALLOW. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING UNLESS TOLD TO DO SO BY THE POISON

CONTROL CENTER OR DOCTOR.

MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE OR DELAYED:

INGESTION.....

IF INGESTION, IRRITATION, ANY TYPE OF OVEREXPOSURE OR SYMPTOMS OF OVEREXPOSURE OCCUR DURING, OR PERSISTS AFTER USE OF THIS PRODUCT, CONTACT A POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN

IMMEDIATELY; HAVE SAFETY DATA SHEET INFORMATION AVAILABLE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. REFER TO SECTION 11 - TOXICOLOGICAL INFORMATION.

ATTENTION AND SPECIAL TREATMENT

NEEDED

INDICATION OF ANY IMMEDIATE MEDICAL NOTES TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS AND SYMPTOMS OF DISTRESS IN THE PATIENT.

CONSIDERATION SHOULD BE GIVEN TO THE POSSIBILITY THAT OVEREXPOSURE

TO MATERIALS OTHER THAN THIS PRODUCT MAY HAVE OCCURRED.

SECTION 05: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA..... UNSUITABLE EXTINGUISHING MEDIA.....

DRENCH WITH LARGE QUANTITIES OF WATER ONLY.

DO NOT USE DRY CHEMICALS OR FOAMS. PRODUCT SUPPLIES OWN OXYGEN, THEREFORE ATTEMPTS TO SMOTHER FIRE WITH A WET BLANKET, CARBON DIOXIDE, DRY CHEMICAL EXTINGUISHER OR OTHER MEANS ARE NOT EFFECTIVE. PRODUCT HAS THE POTENTIAL TO CAUSE A VIOLENT REACTION IF DRY

CHEMICAL FIRE EXTINGUISHERS ARE USED.

SPECIAL HAZARDS ARISING FROM THE PRODUCT:

CONTAINERS MAY EXPLODE WHEN HEATED. MAY EXPLODE FROM HEAT OR CONTAMINATION. MAY IGNITE COMBUSTIBLES (WOOD, PAPER, OIL, CLOTHING, ETC.) RUNOFF MAY CREATE FIRE OR EXPLOSION HAZARD. SOME WILL REACT EXPLOSIVELY WITH HYDROCARBONS (FUELS). THESE SUBSTANCES WILL

ACCELERATE BURNING WHEN INVOLVED IN A FIRE. EMITS TOXIC FUMES UNDER

HAZARDOUS COMBUSTION PRODUCTS.

FIRE CONDITIONS. CHLORINE GAS MAY BE GENERATED.
DEPENDING ON CONDITIONS, DECOMPOSITION PRODUCTS MAY INCLUDE THE FOLLOWING MATERIALS: CARBON OXIDES; HALOGENATED COMPOUNDS; METAL OXIDE/OXIDES

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

STRUCTURAL FIREFIGHTERS' PROTECTIVE CLOTHING PROVIDES LIMITED PROTECTION IN FIRE SITUATIONS ONLY; IT IS NOT EFFECTIVE IN SPILL SITUATIONS WHERE DIRECT CONTACT WITH THE SUBSTANCE IS POSSIBLE WEAR CHEMICAL PROTECTIVE CLOTHING THAT IS SPECIFICALLY RECOMMENDED BY THE MANUFACTURER. IT MAY PROVIDE LITTLE OR NO THERMAL PROTECTION. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA).

SECTION 05: FIRE FIGHTING MEASURES

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

SMALL FIRES: MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. PROMPTLY ISOLATE THE SCENE BY REMOVING ALL PERSONS FROM THE VICINITY OF THE INCIDENT IF THERE IS A FIRE. NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. THIS MATERIAL IS VERY TOXIC TO AQUATIC ORGANISMS. FIRE WATER CONTAMINATED WITH THIS MATERIAL MUST BE CONTAINED AND PREVENTED FROM BEING DISCHARGED TO ANY WATERWAY, SEWER OR DRAIN.

SECTION 06: ACCIDENTAL RELEASE MEASURES

USE EXTREME CAUTION IN HANDLING SPILLED MATERIAL. VENTILATE THE AREA PERSONAL PRECAUTIONS.....

BEFORE ENTRY. USE SPARK-PROOF TOOLS AND EXPLOSION-PROOF EQUIPMENT. DO NOT WALK THROUGH SPILLED MATERIAL. DO NOT MIX THIS PRODUCT WITH ANY OTHER CHEMICALS, INCLUDING ANY OTHER POOL CHEMICALS OF ANY KIND, SUCH AS OTHER DISINFECTION OR "SHOCK" POOL PRODUCTS. CONTAMINATION WITH MOISTURE, ACIDS, ORGANIC MATTER, OTHER CHEMICALS (INCLUDING, BUT NOT LIMITED TO CLEANING CHEMICALS AND OTHER POOL CHEMICALS), PETROLEUM OR PAINT PRODUCTS OR OTHER EASILY COMBUSTIBLE MATERIALS MAY START A CHEMICAL REACTION WITH GENERATION OF HEAT, LIBERATION OF HAZARDOUS GASES AND POSSIBLE VIOLENT REACTION LEADING TO FIRE OR EXPLOSION. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, AVOID DIRECT CONTACT. DO NOT TOUCH

DAMAGED CONTAINERS OR SPILLED MATERIAL UNLESS WEARING APPROPRIATE PROTECTIVE CLOTHING.

PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED

AREAS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

ENVIRONMENTAL PRECAUTIONS.....

AVOID GENERATING DUST. IF FIRE OR DECOMPOSITION OCCURS IN AREA OF SPILL, IMMEDIATELY DOUSE WITH PLENTY OF WATER. OTHERWISE, SWEEP UP ALL VISIBLE MATERIAL USING A CLEAN (NEW, IF POSSIBLE), DRY SHOVEL AND BROOM AND IMMEDIATELY DISSOLVE MATERIAL IN A WATÉR-FILLED CONTAINER. SPILLED MATERIAL THAT HAS BEEN SWEPT UP AND DISSOLVED IN WATER SHOULD BE USED IMMEDIATELY IN THE NORMAL APPLICATION FOR WHICH THIS PRODUCT IS BEING CONSUMED.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:..... USE EXTREME CAUTION IN HANDLING SPILLED MATERIAL. USE ONLY WITH ADEQUATE VENTILATION. KEEP AWAY FROM COMBUSTIBLE MATERIAL. STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. USE SPARK-PROOF TOOLS AND EXPLOSION-PROOF EQUIPMENT. DO NOT MIX THIS PRODUCT WITH ANY OTHER CHEMICALS, INCLUDING ANY OTHER POOL CHEMICALS OF ANY KIND, SUCH AS OTHER DISINFECTION OR "SHOCK" POOL PRODUCTS. CONTAMINATION WITH MOISTURE, ACIDS, ORGANIC MATTER, OTHER CHEMICALS (INCLUDING, BUT NOT LIMITED TO CLEANING CHEMICALS AND OTHER POOL CHEMICALS), PETROLEUM OR PAINT PRODUCTS OR OTHER EASILY COMBUSTIBLE MATERIALS MAY START A CHEMICAL REACTION WITH GENERATION OF HEAT, LIBERATION OF HAZARDOUS GASES AND POSSIBLE VIOLENT REACTION LEADING TO FIRE OR EXPLOSION. ALWAYS ADD PRODUCT TO LARGE QUANTITIES OF WATER TO FULLY DISSOLVE PRODUCT. DO NOT POUR WATER INTO PRODUCT, ALWAYS ADD PRODUCT TO WATER. USE ONLY A CLEAN (NEW, IF POSSIBLE), DRY SCOOP MADE OF METAL OR PLASTIC EACH TIME PRODUCT IS TAKEN FROM THE CONTAINER. DO NOT USE WITH STABILIZED CHLORINE OR BROMINE TABLET CHEMICAL FEEDERS. DO NOT ADD THIS PRODUCT TO ANY DISPENSING DEVICE CONTAINING REMNANTS OF ANY OTHER PRODUCT OR POOL CHEMICAL. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, AVOID DIRECT CONTACT. DO NOT BREATHE DUST. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. DO NOT INGEST. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, OR USING TOBACCO. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE HAZARDOUS. DO NOT REUSE CONTAINER. RESIDUAL MATERIAL REMAINING IN EMPTY CONTAINER CAN REACT TO CAUSE FIRE. THOROUGHLY FLUSH EMPTY CONTAINER WITH WATER THEN DESTROY BY PLACING IN TRASH COLLECTION. VENTILATE ENCLOSED AREAS. KEEP ONLY IN THE ORIGINAL CONTAINER. KEEP CONTAINER CLOSED. SEPARATE FROM ACIDS, ALKALIS, REDUCING AGENTS AND COMBUSTIBLES. PRODUCT IS AN NFPA CLASS 3 OXIDIZER WHICH CAN CAUSE A SEVERE INCREASE IN FIRE INTENSITY. STORE IN A COOL, DRY,

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY IMCOMPATIBILITES:

> WELL-VENTILATED PLACE. IF PRODUCT BECOMES CONTAMINATED OR DECOMPOSES DO NOT RESEAL CONTAINER. IF POSSIBLE ISOLATE CONTAINER IN OPEN AIR OR WELL-VENTILATED AREA.

PRODUCT: SUPER-SHOCK CODE: MUR0027

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENTS	TWA	GIH TLV STEL	OSHA PEL	PEL STEL	NIOSH REL
CALCIUM HYPOCHLORITE	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
CALCIUM CHLORATE	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
CALCIUM CARBONATE	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
CALCIUM HYDROXIDE	5 MG/M3	N.AV.	N.AV.	N.AV.	5 MG/M3
SODIUM CHLORIDE	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
APPROPRIATE ENGINI INDIVIDUAL PROTECT SUCH AS PERSONAL I	ION MEASURE	S GOOD GENERAL VEN BE MATCHED TO COI LOCAL EXHAUST VEN MAINTAIN AIRBORNE	NDITIONS. IF APPLICATION, OR OTHE	ABLÉ, USE PROCESS R ENGINEERING COI	S ENCLOSURES, NTROLS TO
EQUIPMENTS:					
HAND PROTECTION. RESPIRATORY PROT		STANDARD SHOULD PRODUCTS IF A RISK CONSIDERING THE P CHECK DURING USE PROTECTIVE PROPE BREAKTHROUGH FO DIFFERENT GLOVE M OF SEVERAL SUBSTA ACCURATELY ESTIMA IF WORKERS ARE EXTHEY MUST USE APFITTED, AIR-PURIFYII APPROVED STANDAR	BÉ WORN AT ALL TIME ASSESSMENT INDICE ARAMETERS SPECIF THAT THE GLOVES ARTIES. IT SHOULD BE ANY GLOVE MATER ANDES, THE PROTECT ATED. GLOVES: NITR POSED TO CONCENTROPRIATE, CERTIFIENG OR AIR-FED RESERD IF A RISK ASSESSES	MES WHEN HANDLING CATES THIS IS NECES FIED BY THE GLOVE IN ARE STILL RETAINING E NOTED THAT THE TAIL RIAL MAY BE DIFFER THE CASE OF MIXTL TION TIME OF THE GOOD ILE, NEOPRENE, AND TRATIONS ABOVE THE ED RESPIRATORS. UP PIRATOR COMPLYING MENT INDICATES THE	G CHEMICAL SSARY. MANUFACTURER, THEIR THEIR TO ENT FOR JRES, CONSISTING GLOVES CANNOT BE D BUTYL RUBBER. HE EXPOSURE LIMIT, SE A PROPERLY WITH AN HIS IS NECESSARY.
EYE PROTECTION PROTECTIVE FOOTV PROTECTIVE CLOTH	VEAR	WEAR APPROPRIATE	THE HAZARDS OF THE CTED RESPIRATOR. GOGGLES AND FACE PROTECTIVE FOOT DIECTIVE BE SELECTED B.	HE PRODUCT AND TH SHIELD. WEAR TO PREVENT . PERSONAL PROTEC ASED ON THE TASK I	IE SAFE WORKING EXPOSURE. CTIVE EQUIPMENT BEING PERFORMED
OTHER HYGIENIC PRACTICES			AND SAFETY SHOWE ARMS AND FACE THO EATING, SMOKING A IG PERIOD. APPROP	DROUGHLY AFTER H AND USING THE LAVA RIATE TECHNIQUES	ATORY AND AT THE SHOULD BE USED
OTHER		CLOTHING BEFORE F SHOWERS ARE CLOS	REUSING. ENSURE TI SE TO THE WORKSTA (POSURE CONTROLS VIRONMENT, INCLUE ASE AND RELEASE T	HAT EYEWASH STAT ATION LOCATION. S SHOULD BE ENGIN DING PROCEDURES TO O WATERWAYS. FOL	IONS AND SAFETY EERED TO PREVENT TO PREVENT SPILLS, LLOW BEST

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	SOLID.
COLOR	VARIOUS COLORS.
ODOUR	SLIGHT CHLORINE.
ODOUR THRESHOLD	
PH	ALKALINE.
MELTING/FREEZING POINT	
BOILING POINT/BOILING RANGE	170 TO 180 C (338 TO 356 F) DECOMPOSES.
FLASH POINT (C), METHOD	N.AP.
EVAPORATION RATE	N.AP.
FLAMMABILITY (SOLIDS AND GASES)	N.AV.
UPPER FLAMMABLE LIMIT (% BY VOĹ.)	N.AP.
LOWER FLAMMABLE LIMIT (% BY VOL.)	N.AP.
VAPOUR PRESSURE (MMHG)	N.AV.
VAPOUR DENSITY (AIR=1)	N.AV.
RELATIVE DENSITY	
	,

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

SOLUBILITY IN WATER (% W/W)..... SOLUBLE 100 %.

PARTITION COEFFICIENT N.AV.

(N-OCTANOL/WATER)

AUTO IGNITION TEMPERATURE...... N.AV.

INCOMPATIBLE MATERIALS:....

DECOMPOSITION TEMPERATURE..... 170 TO 180 C (338 TO 356 F).

VISCOSITY..... NO DATA.

SECTION 10: STABILITY AND REACTIVITY

NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE. THE PRODUCT MAY NOT BE STABLE UNDER CERTAIN CONDITIONS OF STORAGE REACTIVITY:..... CHEMICAL STABILITY:..... OR USE. PRODUCT DECOMPOSES AT APPROXIMATELY 170-180°C (338-356°F)

RELEASING OXYGEN GAS AND SOME CHLORINE GAS.

POSSIBILITY OF HAZARDOUS HAZARDOUS REACTIONS OR INSTABILITY MAY OCCUR UNDER CERTAIN

CONDITIONS OF STORAGE OR USE. CONDITIONS MAY INCLUDE THE FOLLOWING: **REACTIONS:**

CONTACT WITH COMBUSTIBLE MATERIALS, CONTACT WITH ACIDS/AMMONIA REACTIONS MAY INCLUDE THE FOLLOWING: RISK OF CAUSING OR INTENSIFYING

FIRE, LIBERATION OF TOXIC GAS.
HEATING MAY CAUSE A FIRE OR EXPLOSION. EXCESSIVE HEAT WILL CAUSE CONDITIONS TO AVOID.....

DECOMPOSITION RESULTING IN THE RELEASE OF OXYGEN AND CHLORINE GAS . HIGHLY REACTIVE OR INCOMPATIBLE WITH THE FOLLOWING MATERIALS:

MOISTURE, COMBUSTIBLE MATERIALS, ORGANIC MATERIALS, METALS, ACIDS, ALKALIS, OXIDIZING MATERIALS, REDUCING MATERIALS, AMMONIA, PETROLEUM PRODUCTS, PAINT PRODUCTS, WOOD AND PAPER, AND POOL CHEMICALS. ACID OR AMMONIA CONTAMINATION WILL RELEASE TOXIC GASES.

HAZARDOUS PRODUCTS OF PRODUCT SLOWLY RELEASES CHLORINE GAS.

DECOMPOSITION

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC5	00	LD50		
CALCIUM HYPOCHLORITE	N.A\		850 MG/KG (ORAL, RAT); >1000 MG/KG (DERMAL, RABBIT)		
CALCIUM CHLORATE	N.A\	/ .	N.AV.		
CALCIUM CARBONATE	N.A\	/ .	N.AV.		
CALCIUM HYDROXIDE	N.A\	/ .	7340 MG/KG (ORAL, RAT)		
SODIUM CHLORIDE	N.A\	/ .	3000 MG/KG (ORAL, RAT)		
INFORMATION ON LIKELY ROUTES OF ENTRY: INHALATION	MAY CAUSE CORROSIVE	E BURNS - IRREVERSIBLE DA	AMAGE. MAY CAUSE		
INGESTION	RESPIRATORY IRRITATION HARMFUL OR FATAL IF SWALLOWED. MAY CAUSE IRREVERSIBLE DAMAGE TO MUCOUS MEMBRANES.				
SKIN CONTACTSKIN ABSORPTIONEYE CONTACT	N.AV. CAUSES SERIOUS EYE D		WITH THE EYES CAN CAUSE		
EFFECTS OF ACUTE EXPOSURE EFFECTS OF CHRONIC EXPOSURE	SEE ABOVE. REPEATED OR PROLONG FUMES MAY CAUSE BRO OR PROLONGED EXPOSI CAUSE DERMATITIS. REF CORROSIVE MATERIALS	GED EXPOSURE THROUGH I NCHIAL IRRITATION WITH C URE OF THE SKIN TO CORR PEATED OR PROLONGED EX OR FUMES MAY CAUSE CO	XPOSURE OF THE EYES TO		
SIGNS AND SYMPTOMS OFOVEREXPOSURE	GASTROINTESTINAL DIS ADVERSE SYMPTOMS MA RESPIRATORY TRACT IR SHORTNESS OF BREATH NAUSEA OR VOMITING, O REDNESS, BLISTERING M	STURBANCES. AY INCLUDE THE FOLLOWIN RITATION, COUGHING, BRE. H, PULMONARY EDEMA. INGI GASTRIC PERFORATION. SK MAY OCCUR. EYES: PAIN, W. ACT WITH THE EYES CAN CA	NG - INHALATION: ATHING DIFFICULTY OR ESTION: STOMACH PAINS, (IN: PAIN OR IRRITATION, ATERING, REDNESS, CORNEA		

CARCINOGENICITY OF MATERIAL...... CALCIUM HYPOCHLORITE - IARC: 3.

TERATOGENICITY..... N.AV. MUTAGENICITY...... N.AV. REPRODUCTIVE EFFECTS..... N.AV. SENSITIZING CAPABILITY OF MATERIAL N.AV.

SECTION 11: TOXICOLOGICAL INFORMATION

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

INCLUDING ANY CONTAMINATED PACKAGING

INFORMATION ON SAFE HANDLING FOR DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, PROVINCIAL, AND DISPOSAL AND METHODS OF DISPOSAL, LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

2880

PROPER SHIPPING NAME..... CALCIUM HYPOCHLORITE, HYDRATED.

TDG CLASSIFICATION..... 5.1.

PACKING GROUP.

ENVIRONMENTAL HAZARDS ACCORDING MARINE POLLUTANT. TO THE INTERNATIONAL MARITIME DANGEROUS GOODS CODE AND THE UNITED NATIONS MODEL REGULATIONS:

TRANSPORT IN BULK..... SPECIAL PRECAUTIONS IN CONNECTION N.AV.

WITH TRANSPORT OR CONVEYANCE

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.

REGULATORY AFFAIRS

PREPARATION DATE..... MAR 08/2017