



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

PRODUCT: CONDITIONER CL

CODE: GR80007

SECTION 01: IDENTIFICATION

PRODUCT CODE..... GR80007
 PRODUCT IDENTIFIER..... CONDITIONER CL
 OTHER MEANS OF IDENTIFICATION
 RECOMMENDED USE AND WATER CONDITIONING.
 RESTRICTIONS ON USE
 SUPPLIER IDENTIFIER..... MURSATT CHEMICALS LIMITED
 11 REGALCREST COURT
 WOODBRIDGE, ONTARIO
 CANADA
 L4L 8P3
 EMERGENCY PHONE NO..... CANUTEC (613)-996-6666.

SECTION 02: HAZARD IDENTIFICATION

HAZARD CLASSIFICATION..... NOT HAZARDOUS.
 SIGNAL WORD..... NOT HAZARDOUS.
 HAZARD STATEMENT..... N.A.P.
 PRECAUTIONARY STATEMENT..... N.A.P.
 OTHER HAZARDS..... NONE.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
SODIUM CHLORIDE	7647-14-5	98
CYANURIC ACID	108-80-5	2

SECTION 04: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:
 EYE CONTACT..... RINSE WITH WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.
 SKIN CONTACT..... WASH OFF WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.
 INHALATION..... IF DUST FROM THE MATERIAL IS INHALED, REMOVE THE AFFECTED PERSON IMMEDIATELY TO FRESH AIR. CALL A PHYSICIAN IF SYMPTOMS DEVELOP OR PERSIST.
 INGESTION..... GIVE ONE OR TWO GLASSES OF WATER IF PATIENT IS ALERT AND ABLE TO SWALLOW. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.
 MOST IMPORTANT SYMPTOMS AND DIRECT CONTACT WITH EYES MAY CAUSE TEMPORARY IRRITATION.
 EFFECTS, ACUTE OR DELAYED:
 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED TREAT SYMPTOMATICALLY. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED, AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.

SECTION 05: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA..... WATER FOG. FOAM. DRY CHEMICAL POWDER. CARBON DIOXIDE (CO₂).
 UNSUITABLE EXTINGUISHING MEDIA..... DO NOT USE WATER JET AS AN EXTINGUISHER, AS THIS WILL SPREAD THE FIRE.
 SPECIAL HAZARDS ARISING FROM THE DURING FIRE, GASES HAZARDOUS TO HEALTH MAY BE FORMED.
 PRODUCT:
 HAZARDOUS COMBUSTION PRODUCTS. CARBON OXIDES (CO, CO₂), NITROGEN OXIDES (NO, NO₂).
 SPECIAL PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING
 PRECAUTIONS FOR FIRE-FIGHTERS: MUST BE WORN IN CASE OF FIRE. USE WATER SPRAY TO COOL UNOPENED CONTAINERS. USE STANDARD FIREFIGHTING PROCEDURES AND CONSIDER THE HAZARDS OF OTHER INVOLVED MATERIALS.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS..... KEEP UNNECESSARY PERSONNEL AWAY. AVOID INHALATION OF DUST FROM THE SPILLED MATERIAL. USE A NIOSH/MSHA APPROVED RESPIRATOR IF THERE IS A RISK OF EXPOSURE TO DUST/FUME AT LEVELS EXCEEDING THE EXPOSURE LIMITS. DO NOT TOUCH DAMAGED CONTAINERS OR SPILLED MATERIAL UNLESS WEARING APPROPRIATE PROTECTIVE CLOTHING. FOR PERSONAL PROTECTION, SEE SECTION 8 OF THE SDS.

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SECTION 06: ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS..... AVOID DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND.
 METHODS AND MATERIALS FOR IF SWEEPING OF A CONTAMINATED AREA IS NECESSARY USE A DUST
 CONTAINMENT AND CLEANING UP SUPPRESSANT AGENT WHICH DOES NOT REACT WITH THE PRODUCT. COLLECT
 DUST USING A VACUUM CLEANER EQUIPPED WITH HEPA FILTER. MINIMIZE DUST
 GENERATION AND ACCUMULATION. AVOID RELEASE TO THE ENVIRONMENT.
 FOLLOWING PRODUCT RECOVERY, FLUSH AREA WITH WATER.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:..... PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS
 FORMED. MINIMIZE DUST GENERATION AND ACCUMULATION. AVOID BREATHING
 DUST. AVOID CONTACT WITH EYES. AVOID CONTACT WITH WATER AND
 MOISTURE. KEEP AWAY FROM STRONG ACIDS. PRACTICE GOOD HOUSEKEEPING.
 CONDITIONS FOR SAFE STORAGE, STORE IN ORIGINAL TIGHTLY CLOSED CONTAINER. STORE IN A
 INCLUDING ANY INCOMPATIBILITIES: WELL-VENTILATED PLACE. STORE AWAY FROM INCOMPATIBLE MATERIALS (SEE
 SECTION 10 OF THE SDS). BECOMES HYGROSCOPIC AT 70-75% RELATIVE
 HUMIDITY. AVOID HUMID OR WET CONDITIONS AS PRODUCT WILL CAKE AND
 BECOME HARD.

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
			STEL			STEL		
SODIUM CHLORIDE	N.AV.	N.AV.		N.AV.	N.AV.		N.AV.	
CYANURIC ACID	N.AV.	N.AV.		N.AV.	N.AV.		N.AV.	
APPROPRIATE ENGINEERING CONTROLS	VENTILATION SHOULD BE SUFFICIENT TO EFFECTIVELY REMOVE AND PREVENT BUILDUP OF ANY DUSTS OR FUMES THAT MAY BE GENERATED DURING HANDLING OR THERMAL PROCESSING.							
INDIVIDUAL PROTECTION MEASURE SUCH AS PERSONAL PROTECTIVE EQUIPMENTS:								
HAND PROTECTION.....	WEAR APPROPRIATE CHEMICAL RESISTANT GLOVES.							
RESPIRATORY PROTECTION.....	USE A NIOSH/MSHA APPROVED RESPIRATOR IF THERE IS A RISK OF EXPOSURE TO DUST/FUME AT LEVELS EXCEEDING THE EXPOSURE LIMITS. IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS (WHERE APPLICABLE) OR TO AN ACCEPTABLE LEVEL (IN COUNTRIES WHERE EXPOSURE LIMITS HAVE NOT BEEN ESTABLISHED), AN APPROVED RESPIRATOR MUST BE WORN. UNVENTED, TIGHT FITTING GOGGLES SHOULD BE WORN IN DUSTY AREAS.							
EYE PROTECTION.....	SUITABLE PROTECTIVE CLOTHING.							
PROTECTIVE CLOTHING.....	WEAR SUITABLE PROTECTIVE FOOTWEAR.							
PROTECTIVE FOOTWEAR.....	EYE WASH FOUNTAINS RECOMMENDED IN ALL STORAGE AND HANDLING AREAS. ALWAYS OBSERVE GOOD PERSONAL HYGIENE MEASURES, SUCH AS WASHING AFTER HANDLING THE MATERIAL AND BEFORE EATING, DRINKING, AND/OR SMOKING. ROUTINELY WASH WORK CLOTHING AND PROTECTIVE EQUIPMENT TO REMOVE CONTAMINANTS.							
OTHER.....								
HYGIENIC PRACTICES.....								

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... CRYSTALLINE SOLID.
 COLOR..... WHITE TO OPAQUE.
 ODOUR..... HALOGEN ODOR WHEN HEATED.
 ODOUR THRESHOLD..... N.AV.
 PH..... N.AP.
 MELTING/FREEZING POINT..... N.AV.
 BOILING POINT..... N.AV.
 FLASH POINT (C), METHOD..... N.AP.
 EVAPORATION RATE..... N.AV.
 FLAMMABILITY (SOLIDS AND GASES)..... N.AV.
 UPPER FLAMMABLE LIMIT (% BY VOL.)... N.AP.
 LOWER FLAMMABLE LIMIT (% BY VOL.)... N.AP.
 VAPOUR PRESSURE (MMHG)..... 2.4.
 VAPOUR DENSITY (AIR=1)..... N.AP.
 RELATIVE DENSITY..... N.AV.
 SOLUBILITY IN WATER (% W/W)..... SOLUBLE.
 COEFFICIENT OF WATER/OIL DIST..... N.AV.
 AUTO IGNITION TEMPERATURE..... N.AV.
 DECOMPOSITION TEMPERATURE..... N.AV.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

VISCOSITY..... N.AP.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:..... THE PRODUCT IS STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORT. .

CHEMICAL STABILITY:..... MATERIAL IS STABLE UNDER NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.

REACTIONS:

CONDITIONS TO AVOID..... CONTACT WITH ICOMPATIBLES. AVOID DISPERSAL OF DUST IN THE AIR (I.E., CLEARING DUST SURFACES WITH COMPRESSED AIR).

INCOMPATIBLE MATERIALS:..... AVOID CONTACT WITH STRONG ACIDS. BECOMES CORROSIVE TO METALS WHEN WET. OXIDIZING AGENTS.

HAZARDOUS PRODUCTS OF MAY EVOLVE CHLORINE GAS WHEN IN CONTACT WITH STRONG ACIDS.

DECOMPOSITION

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
SODIUM CHLORIDE	N.AV.	3000 MG/KG (ORAL, RAT)
CYANURIC ACID	N.AV.	3400 MG/KG (ORAL, MOUSE); >5000 MG/KG (DERMAL. RABBIT)

INFORMATION ON LIKELY ROUTES OF ENTRY:

SKIN CONTACT..... PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

SKIN ABSORPTION..... SEE ABOVE.

EYE CONTACT..... DUST IN THE EYES WILL CAUSE IRRITATION.

INHALATION..... INHALATION OF DUSTS MAY CAUSE RESPIRATORY IRRITATION.

INGESTION..... EXPECTED TO BE A LOW INGESTION HAZARD.

EFFECTS OF ACUTE EXPOSURE..... IN SOME CASES OF CONFIRMED HYPERTENSION, INGESTION MAY RESULT IN ELEVATED BLOOD PRESSURE.

EFFECTS OF CHRONIC EXPOSURE..... N.AV.

SIGNS AND SYMPTOMS OF EYE AND SKIN CONTACT: EXPOSURE MAY CAUSE TEMPORARY IRRITATION, OVEREXPOSURE REDNESS, OR DISCOMFORT. FOR INGESTION, CONSUMING LESS THAN A FEW GRAMS WOULD NOT BE HARMFUL. THE FOLLOWING EFFECTS WERE OBSERVED AFTER INGESTING AN EXCESSIVE QUANTITY: NAUSEA AND VOMITING, DIARRHEA, CRAMPS, RESTLESSNESS, IRRITABILITY, DEHYDRATION, WATER RETENTION, NOSE BLEED, GASTROINTESTINAL TRACT DAMAGE, FEVER, SWEATING, SUNKEN EYES, HIGH BLOOD PRESSURE, MUSCLE WEAKNESS, DRY MOUTH AND NOSE, SHOCK, CEREBRAL EDEMA (FLUID ON BRAIN), PULMONARY EDEMA (FLUID IN LUNGS), BLOOD CELL SHRINKAGE, AND BRAIN DAMAGE (DUE TO DEHYDRATION OF BRAIN CELLS). DEATH IS GENERALLY DUE TO CARDIOVASCULAR COLLAPSE OR CNS DAMAGE.

CARCINOGENICITY OF MATERIAL..... THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA.

TERATOGENICITY..... N.AV.

MUTAGENICITY

REPRODUCTIVE EFFECTS..... THIS PRODUCT IS NOT EXPECTED TO CAUSE REPRODUCTIVE OR DEVELOPMENTAL EFFECTS.

SENSITIZING CAPABILITY OF MATERIAL THIS PRODUCT IS NOT EXPECTED TO CAUSE SKIN SENSITIZATION.

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.

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SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

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

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 THEY ARE APPROPRIATE.

PREPARED BY..... REGULATORY AFFAIRS
 PREPARATION DATE..... APR 18/2017