



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

**PRODUCT: CONDITIONER**

**CODE: GR80006**

### SECTION 01: IDENTIFICATION

PRODUCT CODE..... GR80006  
 PRODUCT IDENTIFIER..... CONDITIONER  
 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.AP.  
 PRECAUTIONARY STATEMENT..... N.AP.  
 OTHER HAZARDS..... NONE.

### SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
SODIUM CHLORIDE	7647-14-5	

### 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. SEE HAZARDOUS DECOMPOSITION PRODUCTS.  
 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.  
 ENVIRONMENTAL PRECAUTIONS..... AVOID DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND.

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**SECTION 06: ACCIDENTAL RELEASE MEASURES**

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP ..... IF SWEEPING OF A CONTAMINATED AREA IS NECESSARY USE A DUST 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, INCLUDING ANY INCOMPATIBILITIES: ..... STORE IN ORIGINAL TIGHTLY CLOSED CONTAINER. STORE IN A 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 STEL	PEL	OSHA PEL STEL	REL	NIOSH
SODIUM CHLORIDE	N.A.V.	N.A.V.	N.A.V.	N.A.V.	N.A.V.	N.A.V.
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.					
EYE PROTECTION.....	UNVENTED, TIGHT FITTING GOGGLES SHOULD BE WORN IN DUSTY AREAS.					
PROTECTIVE CLOTHING.....	SUITABLE PROTECTIVE CLOTHING.					
PROTECTIVE FOOTWEAR.....	WEAR SUITABLE PROTECTIVE FOOTWEAR.					
OTHER.....	EYE WASH FOUNTAINS RECOMMENDED IN ALL STORAGE AND HANDLING AREAS.					
HYGIENIC PRACTICES.....	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.					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... CRYSTALLINE SOLID.

COLOR..... WHITE TO OPAQUE.

ODOUR..... HALOGEN ODOR WHEN HEATED.

ODOUR THRESHOLD

PH..... N.AP.

MELTING/FREEZING POINT..... 801 C.

BOILING POINT..... 1465 C.

FLASH POINT (C), METHOD..... N.AP.

EVAPORATION RATE..... N.A.V.

FLAMMABILITY (SOLIDS AND GASES)..... N.A.V.

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..... 2.16.

SOLUBILITY IN WATER (% W/W)..... 26.4.

COEFFICIENT OF WATER/OIL DIST..... N.A.V.

AUTO IGNITION TEMPERATURE..... N.A.V.

DECOMPOSITION TEMPERATURE..... N.A.V.

VISCOSITY..... N.AP.

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**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 INCOMPATIBLES. 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.

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)
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 ..... OVEREXPOSURE	EYE AND SKIN CONTACT: EXPOSURE MAY CAUSE TEMPORARY IRRITATION, 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		
SYNERGISTIC MATERIALS.....	THIS PRODUCT IS NOT EXPECTED TO CAUSE SKIN SENSITIZATION. 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**

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: N.AV.

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**SECTION 14: TRANSPORT INFORMATION**

SPECIAL PRECAUTIONS IN CONNECTION N.A.V.  
WITH TRANSPORT OR CONVEYANCE  
EITHER WITHIN OR OUTSIDE THE  
PREMISES:

**SECTION 15: REGULATORY INFORMATION**

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

**SECTION 16: OTHER INFORMATION**

N.A.V.=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.....  
PREPARATION DATE.....

REGULATORY AFFAIRS  
APR 18/2017