



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

PRODUCT: ALKIL

CODE: MUR0038

**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 CODE..... MUR0038  
PRODUCT NAME..... ALKIL  
CHEMICAL FORMULA..... MIXTURE.  
CHEMICAL FAMILY..... QUATERNARY AMMONIUM COMPOUNDS.  
MATERIAL USE..... SWIMMING POOL ALGAEICIDE.  
EMERGENCY PHONE NO..... CANUTEC (613)-996-6666.

**Section 02: HAZARDS IDENTIFICATION**

ROUTE OF ENTRY:  
SKIN CONTACT..... MAY CAUSE CORROSIVE BURNS. BRIEF EXPOSURES MAY CAUSE IRRITATION AND DEFATTING OF THE SKIN.  
SKIN ABSORPTION..... N.AV.  
EYE CONTACT..... MAY CAUSE BURNS AND MAY RESULT IN PERMANENT INJURY TO EYES INCLUDING BLINDNESS.  
INHALATION..... MISTS AND VAPORS CAN IRRITATE THE THROAT AND RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. SYMPTOMS MAY INCLUDE HEADACHES, DIZZINESS, AND DROWSINESS.  
INGESTION..... INGESTION CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA AND EVEN DEATH.  
EFFECTS OF ACUTE EXPOSURE..... MAY BE CORROSIVE TO THE EYES, SKIN, GASTROINTESTINAL TRACT, AND RESPIRATORY SYSTEM.  
EFFECTS OF CHRONIC EXPOSURE..... N.AV.

**Section 03: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE (C12-16)	3-7	SEE SECTION 11	68424-85-1	SEE SECTION 11	SEE SECTION 11

**Section 04: FIRST AID MEASURES**

EYE CONTACT..... IMMEDIATELY FLUSH EYES WITH WATER FOR 15-20 MINUTES, WHILE HOLDING EYELIDS OPEN. REMOVE CONTACT LENSES, IF PRESENT, AFTER THE FIRST 5 MINUTES, THEN CONTINUE RINSING EYE. CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.  
SKIN CONTACT..... TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN IMMEDIATELY WITH PLENTY OF WATER FOR 15-20 MINUTES. CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.  
INHALATION..... IF SYMPTOMS ARE EXPERIENCED, MOVE VICTIM TO FRESH AIR. IF PERSON IS NOT BREATHING, CALL 911 OR AN AMBULANCE, THEN GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH IF POSSIBLE. CALL A POISON CONTROL CENTER OR DOCTOR FOR FURTHER TREATMENT ADVICE.  
INGESTION..... CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE. HAVE PERSON SIP A GLASS OF WATER IF ABLE TO SWALLOW. DO NOT INDUCE VOMITING UNLESS TOLD TO DO SO BY A POISON CONTROL CENTER OR DOCTOR. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
NOTES TO PHYSICIAN..... PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

**Section 05: FIRE FIGHTING MEASURES**

FLAMMABILITY..... NONE.  
IF YES, UNDER WHICH CONDITIONS?  
EXTINGUISHING MEDIA..... DRY CHEMICAL, FOAM, CARBON DIOXIDE OR WATER FOG. SOLID WATER STREAMS MAY SPREAD BURNING LIQUID.  
SPECIAL PROCEDURES..... FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH SPRAY.

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**Section 05: FIRE FIGHTING MEASURES**

FLASH POINT (C), METHOD..... 103 DEG. F (39.4 DEG. C) - PENSKY MARTIN CLOSED CUP.  
 AUTO IGNITION TEMPERATURE..... N.AV.  
 UPPER FLAMMABLE LIMIT (% BY VOL.).... NOT DETERMINED.  
 LOWER FLAMMABLE LIMIT (% BY VOL.)... NOT DETERMINED.  
 SENSITIVITY TO STATIC DISCHARGE..... N.AV.  
 SENSITIVITY TO IMPACT..... N.AV.  
 HAZARDOUS COMBUSTION PRODUCTS.. IRRITATING AND TOXIC GASES OR FUMES MAY BE RELEASED DURING A FIRE.  
 UNUSUAL FIRE AND EXPLOSION ..... N.AV.  
 HAZARDS

**Section 06: ACCIDENTAL RELEASE MEASURES**

LEAK/SPILL..... VENTILATE CLOSED SPACES BEFORE ENTERING. FLOOR WILL BE SLIPPERY. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. A VAPOR SUPPRESSING FOAM MAY BE USED TO REDUCE VAPORS. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS. ABSORB OR COVER WITH DRY EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL AND TRANSFER TO CONTAINERS. USE CLEAN NON-SPARKING TOOLS TO COLLECT ABSORBED MATERIAL. .

**Section 07: HANDLING AND STORAGE**

HANDLING PROCEDURES AND ..... AVOID CONTACT WITH SKIN AND EYES. USE GOOD PERSONAL HYGIENE EQUIPMENT PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH THOROUGHLY AFTER WORK USING SOAP AND WATER.  
 STORAGE NEEDS..... KEEP THE CONTAINER TIGHTLY CLOSED AND IN A COOL, WELL-VENTILATED PLACE. KEEP FROM FREEZING.

**Section 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

EYE/FACE PROTECTION..... WEAR CHEMICAL GOGGLES. USE A FACE SHIELD IS SPLASHING IS POSSIBLE.  
 SKIN PROTECTION..... USE IMPERVIOUS GLOVES (RUBBER OR NEOPRENE). WEAR SUITABLE PROTECTIVE CLOTHING.  
 RESPIRATORY/TYPE..... IF EXPOSURE LIMITS ARE EXCEEDED OR IF IRRITATION IS EXPERIENCED, NIOSH APPROVED RESPIRATORY PROTECTION SHOULD BE WORN. VENTILATION AND OTHER FORMS OF ENGINEERING CONTROLS ARE OFTEN THE PREFERRED MEANS FOR CONTROLLING CHEMICAL EXPOSURES. RESPIRATORY PROTECTION MAY BE NEEDED FOR NON-ROUTINE OR EMERGENCY SITUATIONS.  
 OTHER/TYPE..... EYE WASH FOUNTAIN AND EMERGENCY SHOWERS ARE RECOMMENDED.  
 ENGINEERING CONTROLS..... PROVIDE ADEQUATE LOCAL EXHAUST VENTILATION (EXPLOSION PROOF) TO MAINTAIN WORKER EXPOSURE BELOW EXPOSURE LIMITS.

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... LIGHT AMBER. LIQUID.  
 ODOUR..... MILD AMINE ODOUR.  
 ODOUR THRESHOLD..... N.AV.  
 VAPOUR PRESSURE (MMHG)..... N.AV.  
 VAPOUR DENSITY (AIR=1)..... N.AV.  
 BY VOLUME  
 BY WEIGHT  
 EVAPORATION RATE..... N.AV.  
 BOILING POINT..... N.AV.  
 PH  
 SPECIFIC GRAVITY (WATER=1)..... 1.0.  
 SOLUBILITY IN WATER (% W/W)..... SOLUBLE.  
 COEFFICIENT OF WATER/OIL DIST..... N.AV.

**Section 10: STABILITY AND REACTIVITY**

CHEMICAL STABILITY:  
 YES..... STABLE.  
 NO, WHICH CONDITIONS?  
 CONDITIONS TO AVOID..... KEEP AWAY FROM HEAT AND STRONG OXIDIZING AGENTS.  
 COMPATABILITY WITH OTHER  
 SUBSTANCES:  
 YES  
 NO, WHICH ONES?..... STRONG OXIDIZING AGENTS, REDUCING AGENTS.  
 REACTIVITY CONDITIONS:..... CONTACT WITH INCOMPATIBLES.  
 HAZARDOUS PRODUCTS OF ..... CARBON MONOXIDE, CARBON DIOXIDE AND TOXIC HYDROGEN CHLORIDE  
 DECOMPOSITION  
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

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**Section 11: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMIT OF MATERIAL..... N.AV.  
 LC 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.  
 LD 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.  
 CARCINOGENICITY OF MATERIAL..... NONE OF THE INGREDIENTS ARE LISTED BY IARC.  
 REPRODUCTIVE EFFECTS..... N.AV.  
 IRRITANCY OF MATERIAL..... SEE SECTION 03.  
 SENSITIZING CAPABILITY OF MATERIAL. N.AV.  
 SYNERGISTIC MATERIALS..... N.AV.  
 MUTAGENICITY..... N.AV.  
 TERATOGENICITY..... N.AV.

**Section 12: ECOLOGICAL CONSIDERATIONS**

ECOLOGICAL TOXICITY..... VERY TOXIC TO AQUATIC ORGANISMS.  
 ENVIRONMENTAL FATE..... THIS PRODUCT IS BIODEGRADABLE.

**Section 13: DISPOSAL CONSIDERATIONS**

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

**Section 14: TRANSPORT INFORMATION**

TDG CLASSIFICATION..... NOT REGULATED.  
 PROPER SHIPPING NAME..... N.AP.  
 UN NUMBER..... N.AP.  
 PACKING GROUP  
 SPECIAL SHIPPING INSTRUCTIONS..... N.AV.

**Section 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION..... REGISTERED PEST CONTROL PRODUCT. EXEMPT FROM WHMIS CLASSIFICATION.  
 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.