



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

PRODUCT: OXY-PODS

CODE: MUR0069

### SECTION 01: IDENTIFICATION

PRODUCT CODE..... MUR0069  
 PRODUCT IDENTIFIER..... OXY-PODS  
 OTHER MEANS OF IDENTIFICATION.... N.A.V.  
 RECOMMENDED USE AND ..... SPA WATER TREATMENT.  
 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..... CORROSIVE TO METALS - CATEGORY 1 . ACUTE TOXICITY (ORAL) - CATEGORY 4.  
 SKIN CORROSION - CATEGORY 1B. SERIOUS EYE DAMAGE - CATEGORY 1.  
 SIGNAL WORD..... DANGER.  
 HAZARD STATEMENT..... H290 MAY BE CORROSIVE TO METALS. H302 HARMFUL IF SWALLOWED. H314  
 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H318 CAUSES SERIOUS EYE  
 DAMAGE.  
 PRECAUTIONARY STATEMENT..... P234 KEEP ONLY IN ORIGINAL CONTAINER. P390 ABSORB SPILLAGE TO PREVENT  
 MATERIAL DAMAGE. P406 STORE IN CORROSIVE RESISTANT CONTAINER WITH A  
 RESISTANT INNER LINER. P264 WASH SKIN THOROUGHLY AFTER HANDLING. P270  
 DO NO EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. P301+P312+P330 IF  
 SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL  
 UNWELL. RINSE MOUTH. P330 RINSE MOUTH. P260 DO NOT BREATHE  
 DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P280 WEAR PROTECTIVE  
 GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.  
 P301+P330+P331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P363  
 WASH CONTAMINATED CLOTHING BEFORE REUSE. P304+P340 IF INHALED:  
 REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE  
 FOR BREATHING. P310 IMMEDIATELY CALL A POISON CENTER OR  
 DOCTOR/PHYSICIAN. P321 SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID  
 INSTRUCTIONS ON THE SAFETY DATA SHEET). P305+P351+P338 IF IN EYES: RINSE  
 CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES,  
 IF PRESENT AND EASY TO DO. CONTINUE RINSING. P405 STORE LOCKED UP.  
 P501 DISPOSE OF CONTENTS/CONTAINER TO APPROPRIATE WASTE SITE OR  
 RECLAIMER IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.  
 OTHER HAZARDS..... NONE.

### SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
POTASSIUM PEROXYMONOSULFATE	70693-62-8	76.8
SODIUM CARBONATE	497-19-8	20
POTASSIUM PERSULFATE	7727-21-1	4
MAGNESIUM CARBONATE	7760-50-1	1.6

### SECTION 04: FIRST AID MEASURES

DESCRIPTION OF FIRST AID  
MEASURES:



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

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
POTASSIUM PERSULFATE	0.1 MG/M3	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
MAGNESIUM CARBONATE	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
APPROPRIATE ENGINEERING CONTROLS	GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS. IF APPLICABLE, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. IF EXPOSURE LIMITS HAVE NOT BEEN ESTABLISHED, MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE LEVEL.					
INDIVIDUAL PROTECTION MEASURE SUCH AS PERSONAL PROTECTIVE EQUIPMENTS:						
EYE PROTECTION.....	WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).					
HAND PROTECTION.....	RUBBER GLOVES. CONFIRM WITH A REPUTABLE SUPPLIER FIRST.					
RESPIRATORY PROTECTION.....	WHERE EXPOSURE GUIDELINE LEVELS MAY BE EXCEEDED, USE AN APPROVED NIOSH RESPIRATOR. RESPIRATOR SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134), CAN/CSA-Z94.4 AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2).					
PROTECTIVE CLOTHING.....	WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING. WEAR SUITABLE PROTECTIVE CLOTHING. AS REQUIRED BY EMPLOYER CODE.					
PROTECTIVE FOOTWEAR.....	WEAR CHEMICAL RESISTANT FOOTWEAR.					
OTHER.....	ENSURE THAT AN EMERGENCY EYE WASH STATION AND SAFETY SHOWER ARE NEAR THE WORK-STATION LOCATION. USE GOOD INDUSTRIAL HYGIENE PRACTICES IN HANDLING THIS MATERIAL.					
GENERAL HYGIENE CONSIDERATIONS	WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT. KEEP AWAY FROM FOOD AND DRINK. 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.....	GRANULAR, SOLID.
COLOR.....	WHITE.
ODOUR.....	N.AV.
ODOUR THRESHOLD.....	N.AV.
PH.....	5 - 9 (1% SOLUTION).
BOILING POINT.....	N.AV.
MELTING/FREEZING POINT.....	N.AV.
FLASH POINT (C), METHOD.....	N.AP.
EVAPORATION RATE.....	N.AP.
FLAMMABILITY (SOLIDS AND GASES)..	N.AV.
UPPER FLAMMABLE LIMIT (% BY VOL.)	N.AP.
LOWER FLAMMABLE LIMIT (% BY VOL.)	N.AP.
VAPOUR PRESSURE (MMHG).....	N.AP.
VAPOUR DENSITY (AIR=1).....	N.AP.
RELATIVE DENSITY.....	N.AV.
SOLUBILITY IN WATER (% W/W).....	N.AV.
COEFFICIENT OF WATER/OIL DIST.....	N.AV.
AUTO IGNITION TEMPERATURE.....	N.AV.
DECOMPOSITION TEMPERATURE.....	N.AV.
VISCOSITY.....	N.AP.

**SECTION 10: STABILITY AND REACTIVITY**

REACTIVITY:.....	THIS PRODUCT MAY REACT WITH STRONG OXIDIZING AGENTS.
CHEMICAL STABILITY:.....	STABLE UNDER NORMAL STORAGE AND HANDLING CONDITIONS.
POSSIBILITY OF HAZARDOUS .....	NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.
REACTIONS:	
CONDITIONS TO AVOID.....	KEEP AWAY FROM COMBUSTIBLE MATERIAL. EXCESSIVE HEAT. DO NOT MIX WITH OTHER CHEMICALS.
INCOMPATIBLE MATERIALS:.....	METALS. ACIDS. OXIDIZERS.

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**SECTION 10: STABILITY AND REACTIVITY**

HAZARDOUS PRODUCTS OF ..... MAY INCLUDE AND ARE NOT LIMITED TO: OXIDES OF SULPHUR. OXIDES OF DECOMPOSITION CARBON. HYDROGEN SULPHIDE.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
POTASSIUM PEROXYMONOSULFATE	N.AV.	SEE BELOW
SODIUM CARBONATE	SEE BELOW	SEE BELOW
POTASSIUM PERSULFATE	SEE BELOW	SEE BELOW
MAGNESIUM CARBONATE	N.AV.	SEE BELOW
LD 50 OF MATERIAL, SPECIES & ROUTE	POTASSIUM PEROXYMONOSULFATE (CAS 70693-62-8) - ORAL, RAT: 1287 MG/KG, ECHA; 1204 MG/KG, ECHA; 1129 MG/KG, ECHA. DERMAL, RAT: > 2000 MG/KG, 24 HOURS, ECHA. . SODIUM CARBONATE (CAS 497-19-8) - ORAL, RAT: 4090 MG/KG, RTECS; 2800 MG/KG, ECHA, HSDB. DERMAL, RAT: > 2000 MG/KG, ECHA; DERMAL, RABBIT: > 2000 MG/KG, ECHA. . POTASSIUM PERSULFATE (CAS 7727-21-1) - ORAL, RAT: 1130 MG/KG, OECD; 742 MG/KG, ECHA, MALE; 700 MG/KG, ECHA, FEMALE. DERMAL, RAT: > 10000 MG/KG, OECD; > 2000 MG/KG, 24 HOURS, ECHA. DERMAL, RABBIT: > 10000 MG/KG. . MAGNESIUM CARBONATE (CAS 7760-50-1) - ORAL, RAT: > 5000 MG/KG, THE HALLSTAR COMPANY.	
LC 50 OF MATERIAL, SPECIES & ROUTE	SODIUM CARBONATE (CAS 497-19-8) - INHALATION, GUINEA PIG: 800 MG/M3, 2 HOURS, ECHA; MOUSE: 1200 MG/M3, 2 HOURS, ECHA; RAT: 2300 MG/M3, 2 HOURS, ECHA; 2.3 MG/L, 2 HOURS, HSDB. POTASSIUM PERSULFATE (CAS 7727-21-1) - INHALATION RAT: > 42900 MG/M <sup>3</sup> , 1 HR, OECD; > 5.1 MG/L, 4 HOURS, ECHA; > 3 MG/L, 4 HOURS, ECHA; >= 3 MG/L, 4 HOURS.	
INFORMATION ON LIKELY ROUTES OF ENTRY:		
SKIN CONTACT.....	CAUSES SEVERE SKIN BURNS.	
SKIN ABSORPTION.....	N.AV.	
EYE CONTACT.....	CAUSES SERIOUS EYE DAMAGE.	
INHALATION.....	MAY CAUSE IRRITATION TO THE RESPIRATORY SYSTEM. PROLONGED INHALATION MAY BE HARMFUL.	
INGESTION.....	MAY CAUSE STOMACH DISTRESS, NAUSEA OR VOMITING.	
EFFECTS OF ACUTE EXPOSURE.....	HARMFUL IF INGESTED.	
EFFECTS OF CHRONIC EXPOSURE..	N.AV.	
INHALATION, CHRONIC.....	N.AV.	
SYMPTOMS RELATED TO THE ..... PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:	CAUSES SERIOUS EYE DAMAGE. BURNING PAIN AND SEVERE CORROSIVE SKIN DAMAGE. PERMANENT EYE DAMAGE INCLUDING BLINDNESS COULD RESULT. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION.	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE		
CARCINOGENICITY OF MATERIAL.....	NON-HAZARDOUS BY WHMIS CRITERIA.	
TERATOGENICITY.....	N.AV.	
MUTAGENICITY.....	N.AV.	
REPRODUCTIVE EFFECTS.....	THIS PRODUCT IS NOT EXPECTED TO CAUSE REPRODUCTIVE OR DEVELOPMENTAL EFFECTS.	
IRRITANCY OF MATERIAL.....	SEE ABOVE.	
SENSITIZING CAPABILITY OF ..... MATERIAL	THIS PRODUCT IS NOT EXPECTED TO CAUSE SKIN SENSITISATION.	
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..... 3260.  
 PROPER SHIPPING NAME..... CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S (PENTAPOTASSIUM BIS(PEROXYMONOSULPHATE) BIS(SULPHATE)).  
 TDG CLASSIFICATION..... 8.  
 PACKING GROUP..... II.  
 ENVIRONMENTAL HAZARDS ..... N.AV.  
 ACCORDING TO THE INTERNATIONAL MARITIME DANGEROUS GOODS CODE AND THE UNITED NATIONS MODEL REGULATIONS:  
 SPECIAL PRECAUTIONS IN ..... N.AV.  
 CONNECTION WITH TRANSPORT OR CONVEYANCE EITHER WITHIN OR OUTSIDE THE PREMISES:

**SECTION 15: REGULATORY INFORMATION**

SAFETY, HEALTH AND ..... N.AV.  
 ENVIRONMENTAL 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 THEY ARE APPROPRIATE.

PREPARED BY  
 PREPARATION DATE  
 PREPARATION DATE..... OCT 18/2018