



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

PRODUCT: PHOS REMOVE TABLETS

CODE: MUR0077

SECTION 01: IDENTIFICATION

PRODUCT CODE..... MUR0077
 PRODUCT IDENTIFIER..... PHOS REMOVE TABLETS
 OTHER MEANS OF IDENTIFICATION..... N.A.V.
 RECOMMENDED USE AND PHOSPHATE REMOVER
 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..... SKIN CORROSION / IRRITATION - CATEGORY 2. SERIOUS EYE DAMAGE / EYE IRRITATION - CATEGORY 1. SKIN SENSITIZATION - CATEGORY 1. SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - CATEGORY 3.

SIGNAL WORD..... DANGER.

HAZARD STATEMENT..... H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H318 CAUSES SERIOUS EYE DAMAGE. H335 MAY CAUSE RESPIRATORY IRRITATION. H411 TOXIC TO AQUATIC LIFE WITH LONG-LASTING EFFECTS.

PRECAUTIONARY STATEMENT..... P264 WASH HANDS THOROUGHLY AFTER HANDLING. P280 WEAR PROTECTIVE GLOVES. 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. P302+P352 IF ON SKIN: WASH WITH SOAP AND WATER. P332+P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. P102 KEEP OUT OF REACH OF CHILDREN. P404 STORE IN A CLOSED CONTAINER. P501 DISPOSE OF CONTENTS/CONTAINER TO APPROPRIATE WASTE SITE OR RECLAIMER IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.

OTHER HAZARDS..... NONE.

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SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
LANTHANUM SALTS	TRADE SECRET	66-96

SECTION 04: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT.....	RINSE IMMEDIATELY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS, FOR AT LEAST 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. CALL A PHYSICIAN.
SKIN CONTACT.....	WASH OFF IMMEDIATELY WITH SOAP AND PLENTY OF WATER. IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.
INHALATION.....	IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.
INGESTION.....	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:	MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE BLURRED VISION AND SERIOUS EYE DAMAGE. INGESTION: NAUSEA AND STOMACH PAIN MAY OCCUR. THERE MAY BE VOMITING.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

NOTES TO PHYSICIAN:
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.....	USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT..
UNSUITABLE EXTINGUISHING MEDIA.....	NONE KNOWN,
SPECIAL HAZARDS ARISING FROM THE PRODUCT:	NO DATA AVAILABLE
HAZARDOUS COMBUSTION PRODUCTS.	DEPENDING ON CONDITIONS, DECOMPOSITION PRODUCTS MAY INCLUDE THE FOLLOWING MATERIALS: HYDROGEN CHLORIDE
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:	SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING MUST BE WORN IN CASE OF FIRE.

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SECTION 06: ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS..... AVOID CONTACT WITH SKIN, EYES OR CLOTHING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS.
- ENVIRONMENTAL PRECAUTIONS..... SEE SECTION 12 FOR ADDITIONAL ECOLOGICAL INFORMATION. DO NOT ALLOW INTO ANY SEWER, ON THE GROUND OR INTO ANY WATERWAY.
- METHODS AND MATERIALS FOR PREVENT FURTHER SPILLAGE IF SALE TO DO SO.
- CONTAINMENT AND CLEANING UP SWEEP UP AND TRANSFER TO PROPERLY LABELLED CONTAINERS. DISPOSE OF CONTENTS/CONTAINERS IN ACCORDANCE WITH LOCAL REGULATIONS. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

SECTION 07: HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:..... AVOID PROLONGED CONTACT WITH SKIN, EYES OR CLOTHING. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. DO NOT EAT, DRINK, OR SMOKE WHEN USING THIS PRODUCT.
- CONDITIONS FOR SAFE STORAGE, KEEP OUT OF THE REACH OF CHILDREN. KEEP CONTAINERS TIGHTLY CLOSED IN INCLUDING ANY IMCOMPATIBILITES: A COOL, WELL-VENTILATED PLACE. STORE IN ORIGINAL, LABELLED CONTAINER. STRONG ALKALIES. REDUCING AGENTS. INCOMPATIBLE WITH OXIDIZING AGENTS. DO NOT MIX WITH OTHER SWIMMING POOL/SPA CHEMICALS IN THEIR CONCENTRATED FORMS.

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SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS GOOD GENERAL VENTILATION 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.

INDIVIDUAL PROTECTION MEASURE
SUCH AS PERSONAL PROTECTIVE
EQUIPMENTS:

HAND PROTECTION..... WEAR PROTECTIVE GLOVES AND PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION..... IF WORKERS ARE EXPOSED TO CONCENTRATIONS ABOVE THE EXPOSURE LIMIT, THEY MUST USE APPROPRIATE, CERTIFIED RESPIRATORS. USE A PROPERLY FITTED, AIR-PURIFYING OR AIR-FED RESPIRATOR COMPLYING WITH AN APPROVED STANDARD IF A RISK ASSESSMENT INDICATES THIS IS NECESSARY. RESPIRATOR SELECTION MUST BE BASED ON KNOWN OR ANTICIPATED EXPOSURE LEVELS, THE HAZARDS OF THE PRODUCT AND THE SAFE WORKING LIMITS OF THE SELECTED RESPIRATOR.

EYE PROTECTION..... WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

OTHER..... EYEWASH STATION AND SAFETY SHOWER IN WORK AREA.

HYGIENIC PRACTICES..... WASH HANDS, FOREARMS AND FACE THOROUGHLY AFTER HANDLING CHEMICAL PRODUCTS, BEFORE EATING, SMOKING AND USING THE LAVATORY AND AT THE END OF THE WORKING PERIOD. APPROPRIATE TECHNIQUES SHOULD BE USED TO REMOVE POTENTIALLY CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSING. ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... SOLID.
 COLOR..... WHITE.
 ODOUR..... ODORLESS
 ODOUR THRESHOLD
 PH..... 5 - 8 when dissolved in water.
 MELTING/FREEZING POINT
 BOILING POINT/BOILING RANGE..... N.AV
 FLASH POINT (C), METHOD..... N.AV.
 EVAPORATION RATE..... N.AV
 FLAMMABILITY (SOLIDS AND GASES)..... N.AV.
 UPPER FLAMMABLE LIMIT (% BY VOL.)... N.AV.
 LOWER FLAMMABLE LIMIT (% BY VOL.)... N.AV.
 VAPOUR PRESSURE (MMHG)..... N.AV.
 VAPOUR DENSITY (AIR=1)..... N.AV.
 RELATIVE DENSITY..... N.AV

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

SOLUBILITY IN WATER (% W/W)..... SLOWLY SOLUBLE IN WATER
 PARTITION COEFFICIENT N.AV.
 (N-OCTANOL/WATER)
 AUTO IGNITION TEMPERATURE..... N.AV.
 DECOMPOSITION TEMPERATURE..... N.AV.
 VISCOSITY..... NO DATA.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:..... NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.
 CHEMICAL STABILITY:..... STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
 POSSIBILITY OF HAZARDOUS NONE UNDER NORMAL PROCESSING.
 REACTIONS:

 CONDITIONS TO AVOID..... EXTREMES OF TEMPERATURE AND DIRECT SUNLIGHT.
 INCOMPATIBLE MATERIALS:..... STRONG ALKALIES. REDUCING AGENTS. INCOMPATIBLE WITH OXIDIZING AGENTS. DO NOT MIX WITH OTHER SWIMMING POOL/SPA CHEMICALS IN THEIR CONCENTRATED FORMS.

 HAZARDOUS PRODUCTS OF MAY EMIT TOXIC FUMES INDER FIRE CONDITIONS. HYDROGEN CHLORIDE GAS.
 DECOMPOSITION METALS OXIDES.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF ENTRY:

INHALATION..... NO ADVERSE EFFECTS DUE TO INHALATION ARE EXPECTED.
 INGESTION..... NO ADVERSE HEALTH EFFECTS ANTICIPATED FROM INGESTION OF INCIDENTAL AMOUNTS OF PRODUCT.
 SKIN CONTACT..... REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS WITH SUSCEPTIBLE PERSONS. IRRITATING TO SKIN.
 EYE CONTACT..... RISK OF SERIOUS DAMAGE TO EYES.

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS..... SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION. MAY CAUSE AN ALLERGIC SKIN REACTION.

 SKIN CORROSION/IRRITATION IRRITATING TO SKIN.
 SERIOUS EYE DAMAGE/EYE IRRITATION... RISK OF SERIOUS DAMAGE TO EYES.
 SENSITIZATION..... MAY CAUSE SENSITIZATION IN SUSCEPTIBLE PERSONS.

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

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SECTION 12: ECOLOGICAL CONSIDERATIONS

ECOTOXICITY..... TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS
 PERSISTENCE AND DEGRADATION..... N.AV.
 BIOACCUMULATIVE POTENTIAL..... N.AV.
 MOBILITY IN SOIL..... N.AV.
 OTHER ADVERSE EFFECTS..... N.AV.

SECTION 13: DISPOSAL CONSIDERATIONS

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

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: MARINE POLLUTANT.
 TRANSPORT IN BULK..... N.AP..
 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..... JAN 1/2025