



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

PRODUCT: M.S.R.

CODE: MUR0045

SECTION 01: IDENTIFICATION

PRODUCT CODE..... MUR0045
 PRODUCT IDENTIFIER..... M.S.R.
 OTHER MEANS OF IDENTIFICATION..... N.AV.
 RECOMMENDED USE AND N.AV.
 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 . SKIN IRRITATION — CATEGORY 2.
 SERIOUS EYE DAMAGE - CATEGORY 1.
 SIGNAL WORD..... DANGER.
 HAZARD STATEMENT..... H315 CAUSES SKIN IRRITATION. H290 MAY BE CORROSIVE TO METALS. 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. P280
 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE
 PROTECTION. P302+P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.
 P321 SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID INSTRUCTIONS ON
 THE SAFETY DATA SHEET). P332+P313 IF SKIN IRRITATION OCCURS: GET
 MEDICAL ADVICE/ATTENTION. 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.
 OTHER HAZARDS..... NONE.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID	2809-21-4	18-22
PHOSPHONIC ACID	13598-36-2	

SECTION 04: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:
 EYE CONTACT..... GET MEDICAL ATTENTION IMMEDIATELY. CALL A POISON CENTER OR PHYSICIAN.
 IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, OCCASIONALLY LIFTING
 THE UPPER AND LOWER EYELIDS. CHECK FOR AND REMOVE ANY CONTACT
 LENSES. CONTINUE TO RINSE FOR AT LEAST 10 MINUTES. CHEMICAL BURNS
 MUST BE TREATED PROMPTLY BY A PHYSICIAN.
 SKIN CONTACT..... GET MEDICAL ATTENTION IMMEDIATELY. CALL A POISON CENTER OR PHYSICIAN.
 WASH CONTAMINATED SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED
 CLOTHING AND SHOES. WASH CONTAMINATED CLOTHING THOROUGHLY WITH
 WATER BEFORE REMOVING IT, OR WEAR GLOVES. CONTINUE TO RINSE FOR AT
 LEAST 10 MINUTES. CHEMICAL BURNS MUST BE TREATED PROMPTLY BY A
 PHYSICIAN. WASH CLOTHING BEFORE REUSE. CLEAN SHOES THOROUGHLY
 BEFORE REUSE.

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SECTION 04: FIRST AID MEASURES

INHALATION.....	GET MEDICAL ATTENTION IMMEDIATELY. CALL A POISON CENTER OR PHYSICIAN. REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF IT IS SUSPECTED THAT FUMES ARE STILL PRESENT, THE RESCUER SHOULD WEAR AN APPROPRIATE MASK OR SELF-CONTAINED BREATHING APPARATUS. IF NOT BREATHING, IF BREATHING IS IRREGULAR OR IF RESPIRATORY ARREST OCCURS, PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN BY TRAINED PERSONNEL. IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION. IF UNCONSCIOUS, PLACE IN RECOVERY POSITION AND GET MEDICAL ATTENTION IMMEDIATELY. MAINTAIN AN OPEN AIRWAY. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT OR WAISTBAND.
INGESTION.....	GET MEDICAL ATTENTION IMMEDIATELY. CALL A POISON CENTER OR PHYSICIAN. WASH OUT MOUTH WITH WATER. REMOVE DENTURES IF ANY. REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF MATERIAL HAS BEEN SWALLOWED AND THE EXPOSED PERSON IS CONSCIOUS, GIVE SMALL QUANTITIES OF WATER TO DRINK. STOP IF THE EXPOSED PERSON FEELS SICK AS VOMITING MAY BE DANGEROUS. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. IF VOMITING OCCURS, THE HEAD SHOULD BE KEPT LOW SO THAT VOMIT DOES NOT ENTER THE LUNGS. CHEMICAL BURNS MUST BE TREATED PROMPTLY BY A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF UNCONSCIOUS, PLACE IN RECOVERY POSITION AND GET MEDICAL ATTENTION IMMEDIATELY. MAINTAIN AN OPEN AIRWAY. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT OR WAISTBAND.
MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE OR DELAYED:	EYE CONTACT: CAUSES SERIOUS EYE DAMAGE. INHALATION: EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SERIOUS EFFECTS MAY BE DELAYED FOLLOWING EXPOSURE. SKIN CONTACT: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS. INGESTION: MAY CAUSE BURNS TO MOUTH, THROAT AND STOMACH.
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	NOTES TO PHYSICIAN - NO SPECIFIC TREATMENT. TREAT SYMPTOMATICALLY. CONTACT POISON TREATMENT SPECIALIST IMMEDIATELY IF LARGE QUANTITIES HAVE BEEN INGESTED OR INHALED. NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. IF IT IS SUSPECTED THAT FUMES ARE STILL PRESENT, THE RESCUER SHOULD WEAR AN APPROPRIATE MASK OR SELF-CONTAINED BREATHING APPARATUS. IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION. WASH CONTAMINATED CLOTHING THOROUGHLY WITH WATER BEFORE REMOVING IT, OR WEAR GLOVES.

SECTION 05: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA.....	USE AN EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE.
UNSUITABLE EXTINGUISHING MEDIA.....	NONE KNOWN.
SPECIAL HAZARDS ARISING FROM THE PRODUCT:	IN A FIRE OR IF HEATED, A PRESSURE INCREASE WILL OCCUR AND THE CONTAINER MAY BURST.
HAZARDOUS COMBUSTION PRODUCTS.	OXIDES OF PHOSPHORUS. OXIDES OF CARBON.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:	PROMPTLY ISOLATE THE SCENE BY REMOVING ALL PERSONS FROM THE VICINITY OF THE INCIDENT IF THERE IS A FIRE. NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. FIRE-FIGHTERS SHOULD WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS.....	NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. EVACUATE SURROUNDING AREAS. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. DO NOT BREATHE VAPOR OR MIST. PROVIDE ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.
ENVIRONMENTAL PRECAUTIONS.....	AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS. INFORM THE RELEVANT AUTHORITIES IF THE PRODUCT HAS CAUSED ENVIRONMENTAL POLLUTION (SEWERS, WATERWAYS, SOIL OR AIR).
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	SMALL SPILL: STOP LEAK IF WITHOUT RISK. MOVE CONTAINERS FROM SPILL AREA. DILUTE WITH WATER AND MOP UP IF WATER-SOLUBLE. ALTERNATIVELY, OR IF WATER-INSOLUBLE, ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN

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SECTION 06: ACCIDENTAL RELEASE MEASURES

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP AN APPROPRIATE WASTE DISPOSAL CONTAINER. ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR. LARGE SPILL: STOP LEAK IF WITHOUT RISK. MOVE CONTAINERS FROM SPILL AREA. ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE. APPROACH RELEASE FROM UPWIND. PREVENT ENTRY INTO SEWERS, WATER COURSES, BASEMENTS OR CONFINED AREAS. WASH SPILLAGES INTO AN EFFLUENT TREATMENT PLANT OR PROCEED AS FOLLOWS. CONTAIN AND COLLECT SPILLAGE WITH NON-COMBUSTIBLE, ABSORBENT MATERIAL, E.G. SAND, EARTH, VERMICULITE OR DIATOMACEOUS EARTH AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE SECTION 13). THE SPILLED MATERIAL MAY BE NEUTRALIZED WITH SODIUM CARBONATE, SODIUM BICARBONATE OR SODIUM HYDROXIDE. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR. CONTAMINATED ABSORBENT MATERIAL MAY POSE THE SAME HAZARD AS THE SPILLED PRODUCT. NOTE: SEE SECTION 1 FOR EMERGENCY CONTACT INFORMATION AND SECTION 13 FOR WASTE DISPOSAL.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:..... PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8). DO NOT GET IN EYES OR ON SKIN OR CLOTHING. DO NOT BREATHE VAPOR OR MIST. DO NOT INGEST. IF DURING NORMAL USE THE MATERIAL PRESENTS A RESPIRATORY HAZARD, USE ONLY WITH ADEQUATE VENTILATION OR WEAR APPROPRIATE RESPIRATOR. KEEP IN THE ORIGINAL CONTAINER OR AN APPROVED ALTERNATIVE MADE FROM A COMPATIBLE MATERIAL, KEPT TIGHTLY CLOSED WHEN NOT IN USE. KEEP AWAY FROM ALKALIS. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE HAZARDOUS. DO NOT REUSE CONTAINER. ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: STORE IN ACCORDANCE WITH LOCAL REGULATIONS. STORE IN ORIGINAL CONTAINER PROTECTED FROM DIRECT SUNLIGHT IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10) AND FOOD AND DRINK. STORE IN CORROSIVE RESISTANT CONTAINER WITH A RESISTANT INNER LINER. STORE LOCKED UP. SEPARATE FROM ALKALIS. KEEP CONTAINER TIGHTLY CLOSED AND SEALED UNTIL READY FOR USE. CONTAINERS THAT HAVE BEEN OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE IN UNLABELED CONTAINERS. USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION. DO NOT STORE BELOW 0 °C.

NOTE

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
1-HYDROXYETHYLIDEN E-1,1-DIPHOSPHONIC ACID	N.A.V.	N.A.V.	N.A.V.	N.A.V.	N.A.V.	N.A.V.
PHOSPHONIC ACID	N.A.V.	N.A.V.	N.A.V.	N.A.V.	N.A.V.	N.A.V.
APPROPRIATE ENGINEERING CONTROLS	IF USER OPERATIONS GENERATE DUST, FUMES, GAS, VAPOR OR MIST, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP WORKER EXPOSURE TO AIRBORNE CONTAMINANTS BELOW ANY RECOMMENDED OR STATUTORY LIMITS. EMISSIONS FROM VENTILATION OR WORK PROCESS EQUIPMENT SHOULD BE CHECKED TO ENSURE THEY COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION LEGISLATION. IN SOME CASES, FUME SCRUBBERS, FILTERS OR ENGINEERING MODIFICATIONS TO THE PROCESS EQUIPMENT WILL BE NECESSARY TO REDUCE EMISSIONS TO ACCEPTABLE LEVELS.					
INDIVIDUAL PROTECTION MEASURE SUCH AS PERSONAL PROTECTIVE EQUIPMENTS:						
HAND PROTECTION.....	CHEMICAL-RESISTANT, IMPERVIOUS GLOVES COMPLYING WITH AN APPROVED STANDARD SHOULD BE WORN AT ALL TIMES WHEN HANDLING CHEMICAL PRODUCTS IF A RISK ASSESSMENT INDICATES THIS IS NECESSARY. CONSIDERING THE PARAMETERS SPECIFIED BY THE GLOVE MANUFACTURER, CHECK DURING USE THAT THE GLOVES ARE STILL RETAINING THEIR PROTECTION. IT SHOULD BE NOTED THAT THE TIME TO BREAKTHROUGH FOR					

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HAND PROTECTION.....	ANY GLOVE MATERIAL MAY BE DIFFERENT FOR DIFFERENT GLOVE MANUFACTURERS. IN THE CASE OF MIXTURES, CONSISTING OF SEVERAL SUBSTANCES, THE PROTECTION TIME OF THE GLOVES CANNOT BE ACCURATELY ESTIMATED.
RESPIRATORY PROTECTION.....	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.....	SAFETY EYEWEAR COMPLYING WITH AN APPROVED STANDARD SHOULD BE USED WHEN A RISK ASSESSMENT INDICATES THIS IS NECESSARY TO AVOID EXPOSURE TO LIQUID SPLASHES, MISTS, GASES OR DUSTS. IF CONTACT IS POSSIBLE, THE FOLLOWING PROTECTION SHOULD BE WORN, UNLESS THE ASSESSMENT INDICATES A HIGHER DEGREE OF PROTECTION: CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD. IF INHALATION HAZARDS EXIST, A FULL-FACE RESPIRATOR MAY BE REQUIRED INSTEAD.
PROTECTIVE CLOTHING.....	PERSONAL PROTECTIVE EQUIPMENT FOR THE BODY SHOULD BE SELECTED BASED ON THE TASK BEING PERFORMED AND THE RISKS INVOLVED AND SHOULD BE APPROVED BY A SPECIALIST BEFORE HANDLING THIS PRODUCT.
PROTECTIVE FOOTWEAR.....	APPROPRIATE FOOTWEAR AND ANY ADDITIONAL SKIN PROTECTION MEASURES SHOULD BE SELECTED BASED ON THE TASK BEING PERFORMED AND THE RISKS INVOLVED AND SHOULD BE APPROVED BY A SPECIALIST BEFORE HANDLING THIS PRODUCT.
OTHER.....	ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.
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. EATING, DRINKING AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THIS MATERIAL IS HANDLED, STORED AND PROCESSED. WORKERS SHOULD WASH HANDS AND FACE BEFORE EATING, DRINKING AND SMOKING. REMOVE CONTAMINATED CLOTHING AND PROTECTIVE EQUIPMENT BEFORE ENTERING EATING AREAS. .

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	LIQUID.
COLOR.....	WHITE TO YELLOWISH.
ODOUR.....	CHARACTERISITC.
ODOUR THRESHOLD.....	N.AV.
PH.....	N.AV.
FREEZING/MELTING 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).....	N.AV.
VAPOUR DENSITY (AIR=1).....	N.AV.
RELATIVE DENSITY.....	N.AV.
SOLUBILITY IN WATER (% W/W).....	MISCIBLE IN WATER.
COEFFICIENT OF WATER/OIL DIST.....	N.AV.
AUTO IGNITION TEMPERATURE.....	N.AV.
DECOMPOSITION TEMPERATURE.....	N.AV.
VISCOSITY.....	N.AV.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:.....	HAZARDOUS POLYMERISATION WILL NOT OCCUR.
CHEMICAL STABILITY:.....	THIS PRODUCT IS STABLE.
POSSIBILITY OF HAZARDOUS REACTIONS:.....	UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS REACTIONS WILL NOT OCCUR.
CONDITIONS TO AVOID.....	CONTACT WITH INCOMPATIBLES.
INCOMPATIBLE MATERIALS:.....	ATTACKS MANY METALS PRODUCING EXTREMELY FLAMMABLE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR. REACTIVE OR INCOMPATIBLE WITH ALKALIS, METALS.
HAZARDOUS PRODUCTS OF DECOMPOSITION.....	UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

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SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID	N.AV.	1878 MG/KG (ORAL, RAT); > 6000 MG/KG (DERMAL, RABBIT)
PHOSPHONIC ACID	N.AV.	1580 MG/KG (ORAL, RAT)
INFORMATION ON LIKELY ROUTES OF ENTRY:		
SKIN CONTACT.....	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.	
SKIN ABSORPTION.....	N.AV.	
EYE CONTACT.....	CAUSES SERIOUS EYE DAMAGE.	
INHALATION.....	EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SERIOUS EFFECTS MAY BE DELAYED FOLLOWING EXPOSURE.	
INGESTION.....	MAY CAUSE BURNS TO MOUTH, THROAT AND STOMACH.	
EFFECTS OF ACUTE EXPOSURE.....	SEE ABOVE.	
EFFECTS OF CHRONIC EXPOSURE.....	N.AV.	
SIGNS AND SYMPTOMS OF OVEREXPOSURE	EYE CONTACT: ADVERSE SYMPTOMS MAY INCLUDE PAIN, WATERING, REDNESS. INHALATION: NO SPECIFIC DATA. SKIN CONTACT: ADVERSE SYMPTOMS MAY INCLUDE PAIN OR IRRITATION, REDNESS. BLISTERING MAY OCCUR. INGESTION: ADVERSE SYMPTOMS MAY INCLUDE STOMACH PAINS.	
CARCINOGENICITY OF MATERIAL.....	IARC: NOT LISTED.	
TERATOGENICITY.....	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.	
MUTAGENICITY.....	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.	
REPRODUCTIVE EFFECTS.....	NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.	
SENSITIZING CAPABILITY OF MATERIAL	NOT SENSITIZING.	
SYNERGISTIC MATERIALS		

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.....	3265.
PROPER SHIPPING NAME.....	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (1-HYDROXYEHTYLIDENE-1,1-DIPHOSPHORIC ACID).
TDG CLASSIFICATION.....	8.
PACKING GROUP.....	III.
ENVIRONMENTAL HAZARDS ACCORDING TO THE INTERNATIONAL MARITIME DANGEROUS GOODS CODE AND THE UNITED NATIONS MODEL REGULATIONS:	N.AV.
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 INFORMATIONN.AV.=NOT AVAILABLE
N.AP.=NOT APPLICABLE

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SECTION 16: OTHER INFORMATION

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