

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

PRODUCT: MURIATIC ACID CODE: MUR0051

### **SECTION 01: IDENTIFICATION**

PRODUCT CODE..... PRODUCT IDENTIFIER..... OTHER MEANS OF IDENTIFICATION...... RECOMMENDED USE AND ..... **RESTRICTIONS ON USE** SUPPLIER IDENTIFIER.....

MUR0051 MURIATIC ACID PH ADJUSTMENT.

MURSATT CHEMICALS LIMITED 11 REGALCREST COURT WOODBRIDGE, ONTARIO CANADA L4L 8P3

EMERGENCY PHONE NO...... CANUTEC (613)-996-6666.

# SECTION 02: HAZARD IDENTIFICATION





CORROSIVE TO METALS - CATEGORY 1 . SKIN CORROSION - CATEGORY 1B. SERIOUS EYE DAMAGE - CATEGORY 1. SPECIFIC TARGET ORGAN TOXICITY -HAZARD CLASSIFICATION.....

SINGLE EXPOSURE - CATEGORY 3 RESPIRATORY SYSTEM.

SIGNAL WORD..... DANGER.

HAZARD STATEMENT..... H290 MAY BE CORROSIVE TO METALS. H314 CAUSES SEVERE SKIN BURNS AND

EYE DAMAGE. H335 MAY CAUSE RESPIRATORY IRRITATION.

P234 KEEP ONLY IN ORIGINAL CONTAINER. P261 AVOID BREATHING PRECAUTIONARY STATEMENT.....

DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P264 WASH SKIN THOROUGHLY AFTER HANDLING. P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+P330+P331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P303+P361+P353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF

IMMEDIATELY ALL CONTAMINATED CLOTHING. RÍNSE SKIN WITH

WATER/SHOWER. P304+P340+P310 IF INHALED: REMOVE VICTIM TO FRESH AIR

AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.

IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. 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. P363 WASH CONTAMINATED CLOTHING BEFORE REUSE

P390 ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE. P403+P233 STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. 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. %			

HYDROGEN CHLORIDE 7647-01-0 10-36.9

# **SECTION 04: FIRST AID MEASURES**

DESCRIPTION OF FIRST AID MEASURES: EYE CONTACT.....

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 20 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. IF IRRITATION PERSISTS, REPEAT FLUSHING. GET MEDICAL ATTENTION IMMEDIATELY. DO NOT TRANSPORT VICTIM UNLESS THE RECOMMENDED FLUSHING PERIOD IS COMPLETED OR FLUSHING CAN BE CONTINUED DURING TRANSPORT.

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### **SECTION 04: FIRST AID MEASURES**

SKIN CONTACT..... IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 20 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.

IF IRRITATION PERSISTS, REPEAT FLUSHING. GET MEDICAL ATTENTION IMMEDIATELY. DO NOT TRANSPORT VICTIM UNLESS THE RECOMMENDED FLUSHING PERIOD IS COMPLETED OR FLUSHING CAN BE CONTINUED DURING

TRANSPORT

MOVE EXPOSED PERSON TO FRESH AIR. IF NOT BREATHING, IF BREATHING IS IRREGULAR OR IF RESPIRATORY ARREST OCCURS, PROVIDE ARTIFICIAL

RESPIRATION OR OXYGEN BY TRAINED PERSONNEL. DO NOT USE

MOUTH-TO-MOUTH METHOD IF VICTIM INGESTED OR INHALED THE SUBSTANCE: INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. CALL MEDICAL DOCTOR OR POISON CONTROL CENTER IMMEDIATELY.

SYMPTOMS MAY APPEAR UP TO 48 HOURS AFTER EXPOSURE.

WASH OUT MOUTH WITH WATER. DO NOT INDUCE VOMITING UNLESS DIRECTED INGESTION.....

TO DO SO BY MEDICAL PERSONNEL. IF SPONTANEOUS VOMITING OCCURS, HAVE VICTIM LEAN FORWARD WITH HEAD DOWN TO AVOID BREATHING IN OF VOMITUS, RINSE MOUTH AND ADMINISTER MORE WATER. NEVER GIVE ANYTHING BY

MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.

SEE SECTION 11.

MOST IMPORTANT SYMPTOMS AND ...... EFFECTS, ACUTE OR DELAYED:

ATTENTION AND SPECIAL TREATMENT

NEEDED

INDICATIÓN OF ANY IMMEDIATE MEDICAL THIS PRODUCT CONTAINS MATERIAL THAT MAY CAUSE SEVERE PENUMONITIS IF ASPIRATED. IF INGESTION HAS OCCURRED LESS THAN 2 HOURS EARLIER, CARRY OUT CAREFUL GASTRIC LAVAGE; USE ENDOTRACHEAL CUFF IF AVAILABLE, TO PREVENT ASPIRATION. OBSERVE PATIENT FOR RESPIRATORY DIFFICULTY FROM ASPIRATION PNEUMONITIS. GIVE ARTIFICIAL RESUSCITATION AND APPROPRIATE CHEMOTHERAPY IF RESPIRATION IS DEPRESSED. FOLLOWING EXPOSURE, THE PATIENT SHOULD BE KEPT UNDER MEDICAL REVIEW FOR AT LEAST 48 HOURS AS DELAYED PNEUMONTITIS MAY OCCUR. DO NOT ATTEMPT TO NEUTRALIZE THE ACID WITH WEAK BASES SINCE THE REACTION WILL PRODUCE HEAT THAT MAY EXTEND THE CORROSIVE INJURY.

### SECTION 05: FIRE FIGHTING MEASURES

USE AN EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE. USE SUITABLE EXTINGUISHING MEDIA......

CARBON DIOXIDE OR DRY CHEMICAL MEDIA FOR SMALL FIRES. IF ONLY WATER IS AVAILABLE, USE IT IN THE FORM OF A FOG. FOR LARGE FIRES, USE EXTINGUISHING AGENTS COMPATIBLE WITH ACID AND APPROPRIATE FOR THE BURNING MATERIAL. AN ALL PURPOSE TYPE AFFF FOAM MAY BE USED ACCORDING TO FOAM MANUFACTURER'S RECOMMENDED TECHNIQUES. THE

FOAM SUPPLIER SHOULD BE CONSULTED FOR RECOMMENDATIONS REGARDING

FOAM TYPES AND DELIVERY RATES FOR SPECIFIC APPLICATIONS.

UNSUITABLE EXTINGUISHING MEDIA..... SPECIAL HAZARDS ARISING FROM THE

PRODUCT:

N.AV. NON-FLAMMABLE. ATTACKS MANY METALS PRODUCING EXTREMELY FLAMMABLE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR.

HYDROCHLORIC ACID FUMES MAY BE RELEASED FROM HEATING UNDER FIRE CONDITIONS. DECOMPOSITION PRODUCTS MAY INCLUDE THE FOLLOWING

MATERIALS: HALOGENATED COMPOUNDS.

HAZARDOUS COMBUSTION PRODUCTS. SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

HYDROGEN AND CHLORINE.

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

DO NOT BREATHE VAPOUR OR MIST. PROVIDE ADEQUATE VENTILATION. WEAR PERSONAL PRECAUTIONS..... APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. PUT ON

APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. REMOVE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS OR FLAMES). COVER WITH DRY EARTH, SAND, OR OTHER NON-COMBUSTIBLE MATERIAL.

ENVIRONMENTAL PRECAUTIONS.....

AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL,

WATERWAYS, DRAINS AND SEWERS.

METHODS AND MATERIALS FOR ............... COLLECT INTO A SUITABLE CONTAINER FOR DISPOSAL. CONTAINMENT AND CLEANING UP

### **SECTION 07: HANDLING AND STORAGE**

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# **SECTION 07: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING:.....

PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8). EATING, DRINKING, AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THIS MATERIAL IS HANDLED, STORED, AND PROCESSED. PREVENT RELEASE OF VAPOUR OR MIST IN HANDLING AREAS. LOCATE SAFETY SHOWER AND EYE WASH STATION. WORKERS SHOULD WASH HANDS AND FACE BEFORE EATING, DRINKING AND SMOKING. DO NOT GET IN EYES OR ON SKIN OR CLOTHING. DO NOT BREATH VAPOUR OR MIST. DO NOT INGEST. USE ONLY WITH ADEQUATE VENTILATION. USE EXTREME CARE WHEN DILUTING WITH WATER. ALWAYS ADD ACID TO WATER. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. KEEP IN THE ORGINAL 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 NO REUSE CONTAINER.

CONDITIONS FOR SAFE STORAGE, .......
INCLUDING ANY IMCOMPATIBILITES:

PRODUCT RESIDUE AND CAN BE HAZARDOUS. DO NO REUSE CONTAINER.
STORE IN ACCORDANCE WITH LOCAL REGULATIONS. STORE IN ORIGINAL
CONTAINER PROTECTED FROM DIRECT SUNLIGHT IN A DRY, COOL AND
WELL-VENTIALTED AREA, AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION
10) AND FOOD AND DRINK. 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. STORAGE TANKS
SHOULD BE ABOVE GROUND AND SURROUNDED WITH DIKES CAPABLE OF
HOLDING ENTIRE CONTENTS. IDEAL STORAGE TEMPERATURE IS 10-27 C. DO NOT
EXPOSE SEALED CONTAINERS TO TEMPERATURES ABOVE 40 C.

### SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENTS	TWA	CGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH	
HYDROGEN CHLORIDE	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.	
		EXHAUST VENTILATION EXPOSURE TO AIRBOUTE STATUTORY LIMITS. VAPOUR OR DUST CONTROL ELECTRICAL INSTALL	ON OR OTHE DRNE CONTA THE ENGINE DNCENTRATI ATIONS SHO 3. SMOKING (	ILATION. USE PROCESS END R ENGINEERING CONTROLS MINANTS BELOW ANY RECO ERING CONTROLS ALSO NEE ONS BELOW ANY LOWER EX JULD BE PROTECTED AGAINS SHOULD BE PROHIBITED IN A OR HANDI ED	TO KEEP WORKER MMENDED OR ED TO KEEP GAS, (PLOSIVE LIMITS. ST THE CORROSIVE	
INDIVIDUAL PROTECTI SUCH AS PERSONAL P EQUIPMENTS:						
HAND PROTECTION		STANDARD SHOULD	BE WORN AT	US GLOVES COMPLYING WI ALL TIMES WHEN HANDLING INDICATES THIS IS NECES	G CHEMICAL	
RESPIRATORY PROT		À NIOSH/MSHA APPR GAS CARTIDGES UP BASED ON KNOWN O PRODUCT AND THE S RECOMMENDED: VAR	OVED AIR-PL TO TEN TIME R ANTICIPAT SAFE WORKIN	PRIFYING RESPIRATOR EQUI S THE TLV. RESPIRATOR SE ED EXPOSURE LEVELS, THE NG LIMITS OF THE SELECTEI	LECTION MUST BE	
EYE PROTECTION		USED WHEN A RISK A EXPOSURE TO LIQUII GOGGLES WITH FULI DRENCH FACILITIES	ASSESSMENT D SPLASHES L FACE SHIEL	'ITH AN APPROVED STANDAI   INDICATES THIS IS NECESS   MISTS OR DUSTS. RECOMN  D. MAINTAIN EYE WASH STA  EA.	SARY TO AVOID MENDED: SPLASH	
PROTECTIVE CLOTH	ING	UNDER CONDITIONS	OF USE, INC	OM NEOPRENE SHOULD BE LUDING BOOTS, GLOVES, LA E, TO PREVENT SKIN CONTA	B COAT, APRON OR	
PROTECTIVE FOOTW	/EAR	BOOTS.		•		
OTHER		EYE BATH AND SAFE PROCESS EQUIPMEN THE REQUIREMENTS CASES, FUME SCRUE PROCESS EQUIPMEN	IT SHOULD B OF ENVIRON BBERS, FILTE IT WILL BE N	EMISSIONS FROM VENTILATE CHECKED TO ENSURE THINGENTAL PROTECTION LEGINS OR ENGINEERING MODIFICESSARY TO REDUCE EMIS	EY COMPLY WITH SLATION. IN SOME FICATIONS TO THE	
HYGIENIC PRACTICES.		DRINKING, OR SMOK	L HYGIENE I ING, OR USIN	PRACTICES. WASH HANDS B IG TOILET FACILITIES. PROM VASH THOROUGHLY BEFOR	IPTLY REMOVE	

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### **SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

LIQUID. PHYSICAL STATE..... COLOURLESS TO LIGHT YELLOW. COLOR..... PUNGENT ODOUR. ODOUR THRESHOLD..... N.AV. <1 FREEZING POINT..... -62.5 C (-80.5 F). BOILING POINT.....FLASH POINT (C), METHOD..... 84 C (183.2 F). N.AP. EVAPORATION RATE...... >1 (BUTYL ACETATE = 1). FLAMMABILITY (SOLIDS AND GASES)...... N.AV. UPPER FLAMMABLE LIMIT (% BY VOL.)...
LOWER FLAMMABLE LIMIT (% BY VOL.)...
VAPOUR PRESSURE (MMHG)...... N.AP. N.AP. N.AV. 1.16. COMPLETELY SOLUBLE. N.AV. AUTO IGNITION TEMPERATURE..... N.AP. N.AV. DECOMPOSITION TEMPERATURE..... VISCOSITY..... N.AV.

### **SECTION 10: STABILITY AND REACTIVITY**

HAZARDOUS POLYMERISATION WILL NOT OCCUR. CHEMICAL STABILITY:.... STABLE UNDER NORMAL CONDITIONS OF USE. POSSIBILITY OF HAZARDOUS ..... SEE INCOMPATIBLE MATERIALS BELOW. **REACTIONS:** ELEVATED TEMPERATURES. KEEP AWAY FROM FLAME, SPARKS AND OTHER CONDITIONS TO AVOID..... IGNITION SOURCES. TAKE ANY PRECAUTION TO AVOID MIXING WITH **INCOMPATIBLES** OXIDIZING MATERIALS, REDUCING MATERIALS AND STRONG BASES. HIGHLY REACTIVE WITH METALS. HYDROXIDES, AMINES, SULFIDES, CARBONATES, INCOMPATIBLE MATERIALS:..... HYPOCHLORITES, FORMALDEHYDE AND ALKALIS ARE ALSO IMCOMPATIBLE **MATERIALS** HAZARDOUS PRODUCTS OF ..... UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSTIION PRODUCTS SHOULD NOT BE PRODUCED. WHEN HEATED TO DECOMPOSITION, EMITS TOXIC HYDROGEN CHLORIDE FUMES. THERMAL **DECOMPOSITION** OXIDATIVE DECOMPOSITION PRODUCES TOXIC CHLORINE FUMES AND EXPLOSIVE HYDROGEN GAS.

# **SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS		LC50	LD50
HYDROGEN CHLORIDE INFORMATION ON LIKELY ROUTES OF ENTRY:		N.AV.	N.AV.
SKIN CONTACT	SEVERE BURNS TO DILUTE SOLUTION O CRACKING OF THE S	ENTRATED SOLUTIONS MAY CAL THE SKIN. PROLONGED AND RE FFTEN CAUSES IRRITATION, RED SKIN. EFFECTS RANGE FROM DE ID PERMANENT SCARRING, TO I	PEATED EXPOSURE TO DNESS, PAIN, DRYING AND ERMATITIS, REDNESS,
SKIN ABSORPTIONEYE CONTACT	N.AV. EXTREMELY CORRO (10-35PPM) CAN BE I VAPOURS OR SPLAS POSSIBLY PERMANE	DSIVE. LOW CONCENTRATIONS ( IRRITATING, CAUSING REDNESS SHED LIQUID CAN CAUSE SEVER ENT BLINDNESS. THIS PRODUCT DUDING, GLAUCOMA AND CATAR	OF MISTS OR VAPORS S. CONCENTRATED MISTS, RE IRRITATION, BURNS AND CAUSES CORNEAL
INHALATION	CORROSIVE. INHALA FOG, AND OTHER AI OF THE NOSE, THRO DISCOMFORT. HIGH CORROSION OF MUC COUGH, DIFFICULTY PULMONARY EDEMA	ATION OF ACID AEROSOLS INCL RBORNE FORMS OF ANY PARTIO DAT, AND RESPIRATORY TRACT ER OR PROLONGED INHALATIOI CUS MEMBRANES WITH TEMPOI 'IN BREATHING, SHORTNESS O A (FLUID ACCUMULATION IN THE	UDING MISTS, VAPOURS, GAS, CLE SIZE CAUSES IRRITATION WITH COUGHING AND N EXPOSURE MAY LEAD TO RARY LUNG IRRITATION AND F BREATH AND/OR
INGESTION	CORROSIVE. INGEST THROAT, ESPOHAGE	AD TO DENTAL EROSION. TION MAY CAUSE SEVERE ACID US, AND STOMACH. SYMPTOMS NSE THIRST, NAUSEA, VOMITING AND DEATH.	MAY INCLUDE DIFFICULTY IN

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

EFFECTS OF ACUTE EXPOSURE..... SEE ABOVE

EFFECTS OF CHRONIC EXPOSURE...... REPEATED EXPOSURE TO LOW CONCENTRATIONS OF ACID MIST OR VAPOUR

MAY CAUSE REDNESS, SWELLING AND PAIN (DERMATITIS). EXPOSURE TO LOW CONCENTRATION OF ACID MIST OR VAPOUR BY INHALATION MAY CAUSE BLEEDING OF NOSE AND GUMS, BRONCHITIS, STOMACH PAIN (GASTRITIS), AND BROWNISH DISCOLOURATION AND DAMAGE TO TOOTH ENAMEL. DENTAL EROSION BECOMES MORE SEVERE WITH INCREASED EXPOSURE. ADVERSE SYMPTOMS OF INHALATION MAY INCLUDE RESPIRATORY TRACT

IRRITATION AND COUGHING. SEVERE EXPOSURES (E.G. 1000-2000PPM), FOR EVEN A FEW MINUTES, CAN CAUSE A LIFE THREATENING ACCUMULATION OF

FLUID IN THE LUNGS. INGESTION MAY LEAD TO STOMACH PAINS.

OVER-EXPOSURE TO THE SKIN MAY LEAD TO PAIN, IRRITATION, REDNESS AND BLISTERING. OVER-EXPOSURE TO THE EYES MAY INCLUDE PAIN, WATERING AND

**REDNESS** 

CARCINOGENICITY OF MATERIAL...... IARC - GROUP 3 CARCINOGEN.

TERATOGENICITY.....MUTAGENICITY..... N.AV. N.AV. REPRODUCTIVE EFFECTS..... N.AV. SENSITIZING CAPABILITY OF MATERIAL N.AV. SYNERGISTIC MATERIALS...... N.AV.

SIGNS AND SYMPTOMS OF .....

OVEREXPOSURE

**SECTION 12: ECOLOGICAL CONSIDERATIONS** 

MATERIAL IS EXTREMELY TOXIC TO AQUATIC LIFE ON AN ACUTE BASIS. ACUTE ECOTOXICITY.....

LC50 282000 UG/L, FISH, 96 HOURS EXPOSURE; ACUTE LC50 240000 UG/L,

CRUSTACEANS, 48 HOURS EXPOSURE.

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.....PROPER SHIPPING NAME.... 

HYDROCHLORIC ACID.

TDG CLASSIFICATION..... PACKING GROUP..... ENVIRONMENTAL HAZARDS ACCORDING N.AV. TO THE INTERNATIONAL MARITIME

DANGEROUS GOODS CODE AND THE UNITED NATIONS MODEL REGULATIONS: SPECIAL PRECAUTIONS IN CONNECTION N.AV. WITH TRANSPORT OR CONVEYANCE

EITHER WITHIN OR OUTSIDE THE

PREMISES:

**SECTION 15: REGULATORY INFORMATION** 

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

**REGULATORY AFFAIRS** 

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**SECTION 16: OTHER INFORMATION** 

PREPARATION DATE...... JAN 1/2024