



CHEMAX
CORPORATION

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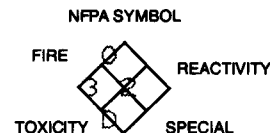
MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD (HSC) 29 CFR 1910, 1200, STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE 1-800-346-0132

HMIS SYMBOL	
HEALTH	3
FLAMMABILITY	0
REACTIVITY	2

HMIS	NFPA
SEVERE 4	EXTREME
SERIOUS 3	HIGH
MODERATE 2	MODERATE
SLIGHT 1	SLIGHT
MINIMAL 0	INSIGNIFICANT



PRODUCT IDENTIFICATION: B427 WHIRLPOOL
DATE: 01/02/03 AR

SECTION I: HAZARDOUS INGREDIENTS

CAS NUMBER	CHEMICAL NAME	%	TLV (PPM)
7664-93-9	SULFURIC ACID	< 100	1 mg/M3

NOTE - THIS PRODUCT CONTAINS THESE SARA TITLE III, SECTION 313 CHEMICALS:
SULFURIC ACID

SECTION II: PHYSICAL DATA

BOILING POINT: 529 F
VAPOR PRESSURE: 0.0038 mm Hg
VAPOR DENSITY: (AIR=1): 3.38
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: 1.8
PERCENT VOLATILE BY VOLUME: N/A
EVAPORATION RATE: N/A
P H: < 1
APPEARANCE AND ODOR: CLEAR, THICK LIQUID & ODORLESS

SECTION III: FIRE AND EXPLOSION DATA

FLASH POINT: DOES NOT FLASH
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE
SPECIAL FIREFIGHTING PROCEDURES:
RUBBER SUITS/BOOTS/GLOVES; SAFETY BOOTS/GOGGLES; HARD HATS MUST BE WORN

UNUSUAL FIRE AND EXPLOSION HAZARDS: THE ACID WILL NOT BURN, BUT IT CAN START FIRES w/ANY ORGANIC MATERIALS, NITRATES, CARBIDES, CHLORATES AND METALLIC POWDERS. HYDROGEN GAS, WHICH IS FLAMMABLE, FORMED IN CONTACT WITH METALS.

SECTION IV: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N/A

EFFECTS OF OVEREXPOSURE: BREATHING OF FUMES CAN RESULT IN BRONCHIAL SPASMS, WHEEZING & LABORED RESPIRATION, DESTRUCTION OF TISSUE ON CONTACT, EXTERNAL BURNS, CHANGES IN BLOOD PRESSURE, PULSE, RESPIRATORY; BURNING, ITCHY RED EYES

EMERGENCY FIRST AID PROCEDURES:

- SKIN: WASH WELL. REMOVE CLOTHING. CALL PHYSICIAN IMMEDIATELY.
- EYES: FLUSH WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN IMMEDIATELY.
- INGESTION: IMMEDIATELY DRINK LRG VOLUMES OF WATER TO REDUCE CONCENTRATION. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.
- INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION. SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION V: REACTIVITY DATA

- STABILITY DATA: STABLE. IGNITION BY CONTACT WITH COMBUSTIBLE LIQUIDS.
- INCOMPATIBILITY: EXOTHERMIC REACTION TO WATER, ORGANIC MATERIALS, NITRATES
- HAZARDOUS DECOMPOSITION PRODUCTS: SULFURIC ACID MIST, SULFUR TRIOXIDE, AND
- HAZARDOUS POLYMERIZATION: WILL NOT OCCUR SULFUR

SECTION VI: SPILL OR LEAK PROCEDURES

- SMALL SPILLS: REMOVE ALL PERSONNEL FROM CONTAMINATED AREA. CONTAIN SPILL. COVER WITH SODIUM CARBONATE. AFTER MIXTURE, ADD WATER TO FORM A SLURRY.
- LARGE SPILLS: MATERIAL MAY BE DISCHARGED TO SEWER FOLLOWING NEUTRALIZATION

AVOID BREATHING OF VAPORS AND ABSORPTION THROUGH SKIN.

FOLLOW STATE AND LOCAL REGULATIONS FOR DISPOSAL OF LARGE NON-RECLAIMABLE SPILLS.

SECTION VII: SPECIAL PROTECTION INFORMATION

- RESPIRATORY PROTECTION: DEPENDS ON VAPOR CONCENTRATION ABOVE TLV. USE A NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS MASK.
- VENTILATION: LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S)
- PROTECTIVE GLOVES: NON-POROUS RUBBER
- EYE PROTECTION: CHEMICAL SAFETY GOGGLES
- OTHER PROTECTIVE EQUIPMENT: RUBBER SUIT & BOOTS; HARD HATS

SECTION VIII: SPECIAL PRECAUTIONS

- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: ALWAYS STORE THE UNUSED PORTION IN THE ORIGINAL CONTAINER WITH CAP SECURE. STORE IN AREA WHERE SPILLS OR LEAKS CAN BE CONTAINED. KEEP CHILDREN AWAY.
- OTHER PRECAUTIONS: READ & FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL. THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE MANNER, AND THEY ALSO GIVE YOU THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.