

**SECTION 1: IDENTIFICATION OF PRODUCT**

FORMULA: INORGANIC ACID, SURFACE WETTING AGENT AND CLEANSER.

SYNONYM OR CROSS REFERENCE: **TARTAR & STAIN REMOVER**

**SECTION 2: HAZARDOUS INGREDIENTS**

MATERIAL: ACID CLEANSERS. NON-HAZARDOUS COMPONENTS NOT LISTED SEPARATELY.

NATURE OF HAZARD: IRRITANT TO EYES AND SKIN.

**SECTION 3: PHYSICAL DATA**

MELTING POINT: °F: NOT DETERMINED.  
 BOILING POINT: °F: APPROXIMATELY 230  
 VAPOR PRESSURE: (MM HG): APPROXIMATELY AS WATER.  
 SPECIFIC GRAVITY: (H<sub>2</sub>O=1): APPROXIMATELY 1.2  
 VAPOR DENSITY: (AIR =1): APPROXIMATELY AS WATER.  
 WATER SOLUBILITY: COMPLETELY.  
 PH OF SOLUTION: APPROX. 2  
 PERCENT VOLATILE: APPROXIMATELY 80%  
 EVAPORATION RATE: (BUAC =1): LESS THAN 1.  
 APPEARANCE: YELLOW. MOBILE LIQUID.

**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (method used): N/A: MATERIAL IS NON-FLAMMABLE.  
 FLAMMABLE LIMITS: N/A

FIRE EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: NONE.

UNUSUAL FIRE AND EXPLOSION HAZARD: WILL EMIT STRONG ACIDIC FUMES IF INVOLVED DIRECTLY IN A FIRE. USE PERSONAL PROTECTIVE EQUIPMENT TO AVOID CONTACT WITH CONTENTS.

**SECTION 5: HEALTH HAZARD**

THRESHOLD LIMIT VALUE: TLV (ACGIH): TWA = 10 mg/CuM AS AEROSOL.

HEALTH HAZARDS: Effects of overexposure to product.

Skin: PROLONGED CONTACT CAN BE IRRITATING TO SKIN.

Eyes: DIRECT CONTACT WILL CAUSE PAIN, IRRITATION, TEARING, REDNESS, BLURRY VISION.

Inhalation: IRRITATING TO RESPIRATORY SYSTEM. NOT LIKELY IN NORMAL USE.

Ingestion: MAY BE HARMFUL IF SWALLOWED.

FIRST AID PROCEDURES:

Skin: RINSE WELL WITH COOL WATER. IF IRRITATION DEVELOPS CONTACT A PHYSICIAN.

Eyes: FLUSH WITH PLENTY OF COOL WATER FOR 15 MINUTES. CALL A PHYSICIAN.

Inhalation: IF AFFECTED, REMOVE TO FRESH AIR. IF IRRITATION PERSISTS CONTACT A PHYSICIAN.

Ingestion: DO NOT INDUCE VOMITING. GIVE WATER, MILK, OR MILK OF MAGNESIA. CALL A PHYSICIAN.

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.



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**MATERIAL SAFETY DATA**

**NFPA RATINGS**

HEALTH HAZARD: 2  
 FIRE & EXPLOSION: 0  
 REACTIVITY: 1  
 PROTECTION: C

**SECTION 6: REACTIVITY DATA**

STABILITY: STABLE.

CONDITIONS TO AVOID: EXTREME HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ALKALIES, REACTIVE METALS, CARBONATES.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL LIBERATE CORROSIVE ACIDIC FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

**SECTION 7: SPILL AND DISPOSAL PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
 NEUTRALIZE WITH SLAKED LIME MIXTURE OR AID ACID NEUTRALIZER. SCOOP UP AND PLACE IN SUITABLE PLASTIC PLASTIC CONTAINER.

WASTE DISPOSAL METHOD:

FLUSH NEUTRALIZED MIXTURE DOWN DRAIN WITH LARGE AMOUNTS OF WATER IN ACCORDANCE WITH APPLICABLE REGULATIONS.

**SECTION 8: PROTECTION INFORMATION**

VENTILATION: MECHANICAL IS ACCEPTABLE.

SKIN: RUBBER GLOVES.

EYES: SAFETY GLASSES OR SPLASH GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE REQUIRED IN NORMAL USE.

OTHER PROTECTIVE EQUIPMENT: EYE-WASH STATION.

**SECTION 9: HANDLING AND STORAGE (lab quantities)**

KEEP CONTAINERS WELL CLOSED. STORE IN COOL, DRY, WELL VENTILATED AREA. FOR LABORATORY OR OFFICE USE ONLY. KEEP OUT OF REACH OF CHILDREN. AVOID HEAT AND DIRECT SUNLIGHT. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

**SECTION 10: MISCELLANEOUS INFORMATION**

NORMAL PRECAUTIONS OF HANDLING IRRITATING MATERIALS SHOULD BE TAKEN.

EMERGENCY RESPONSE: INFOTRAC: 1-800-535-5053

SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)

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