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MATERIAL SAFETY DATA SHEET

CRETEWISE

SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION
HMIS

CHEMICAL FAMILY
CHEMICAL FORMULA
MOLECULAR WEIGHT
MATERIAL USE

WHMIS CLASS D-1A, E:
HEALTH 3, FLAMMABILITY 0, REACTIVITY 3,
PERSONAL PROTECTION C
ACID
MIXTURE
NOT APPLICABLE
CONCRETE CLEANER

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT
APPROX. CONCENTRATION %
CAS
EXPOSURE LIMITS
LD50/LC50/SPECIES/ROUTE

HYDROCHLORIC ACID
10-40
7647-01-0
TWA: 5 (PPM)
ORAL (LD50) MG/KG: ACUTE: 900 (RABBIT)

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE
ODOUR AND APPEARANCE
ODOUR THRESHOLD (PPM)
SPECIFIC GRAVITY
VAPOUR PRESSURE (MM)
VAPOUR DENSITY (AIR =1)
BOILING POINT (°C)
FREEZING POINT (°C)
SOLUBILITY IN WATER (20°C)
% VOLATILE (BY VOL.)
PH

LIQUID
ACID ODOUR, WHITE MILKY (OPAQUE) LIQUID
NOT AVAILABLE
1.1
3040 MM OF HG (@20°C) BASED ON DATA FOR HCL
1
105°C (221°F)
NOT DETERMINED
SOLUBLE
99
<1

SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY
MEANS OF EXTINCTION

SPECIAL PROCEDURES
FLASHPOINT (°C) AND METHOD
UPPER EXPLOSION LIMIT (% BY VOL.)
LOWER EXPLOSION LIMIT (% BY VOL.)
AUTO-IGNITION TEMPERATURE (°C)
HAZARDOUS COMBUSTION PRODUCTS

NOT FLAMMABLE
USE EXTINGUISHING MEDIA FOR SURROUNDING
MATERIALS.
NOT AVAILABLE.
NOT APPLICABLE
NOT APPLICABLE
NOT APPLICABLE
NOT APPLICABLE
NOT APPLICABLE

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY INCOMPATIBILITY? TO WHAT?	STABLE EXTREMELY REACTIVE OR INCOMPATIBLE WITH METALS, ALKALIS, HALOGENATED COMPOUNDS. SLIGHTLY REACTIVE TO REACTIVE WITH MOISTURE.
HAZARDOUS DECOMPOSITION PRODUCTS	HYDROGEN AND CHLORINE GAS.

SECTION 6 TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT Y/N	Y
ROUTE OF ENTRY EYE CONTACT Y/N	Y
ROUTE OF ENTRY INHALATION Y/N	Y
ROUTE OF ENTRY INGESTION Y/N	Y
EFFECTS OF ACUTE EXPOSURE	LIQUID OR SPRAY MIST MAY PRODUCE TISSUE DAMAGE PARTICULARLY ON MUCOUS MEMBRANES OF EYES, MOUTH AND RESPIRATORY TRACT. SKIN CONTACT MAY PRODUCE BURNS. INHALATION OF THE SPRAY MIST MAY PRODUCE SEVERE IRRITATION OF RESPIRATORY TRACT, CHARACTERIZED BY COUGHING, CHOKING OR SHORTNESS OF BREATH. CAN BE FATAL IF INHALED OR INGESTED. THIS PRODUCT MAY IRRITATE EYES AND SKIN UPON CONTACT. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING AND ITCHING. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING OR OCCASIONALLY BLISTERING.
EFFECTS OF CHRONIC EXPOSURE	REPEATED OR PROLONGED EXPOSURE TO SPRAY MIST MAY PRODUCE RESPIRATORY TRACT IRRITATION LEADING TO FREQUENT ATTACKS OF BRONCHIAL INFECTION. PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING, DEFATTING AND DERMATITIS.
SYNERGISTIC MATERIALS	NOT AVAILABLE
CARCINOGENICITY Y/N	N
REPRODUCTIVE EFFECTS Y/N	N
TERATOGENICITY Y/N	N
MUTAGENICITY Y/N	N

SECTION 7 PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT	
GLOVES	IMPERVIOUS GLOVES
EYEWEAR	SAFETY GLASSES
FOOTWEAR	AS REQUIRED BY EMPLOYER CODE
CLOTHING	AS REQUIRED BY EMPLOYER CODE
ENGINEERING CONTROLS	GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.
LEAK AND SPILL PROCEDURE	BEFORE ATTEMPTING CLEAN UP, REFER TO HAZARD DATA GIVEN ABOVE. SMALL SPILLS MAY BE ABSORBED WITH NON-REACTIVE ABSORBENT AND PLACED IN SUITABLE, COVERED LABELLED CONTAINERS. PREVENT LARGE SPILLS FROM ENTERING SEWERS AND WATERWAYS. CONTACT EMERGENCY SERVICES AND SUPPLIER FOR ADVICE.
WASTE DISPOSAL	RECYCLE IF POSSIBLE. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.
STORAGE REQUIREMENTS	STORE IN CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS. CORROSIVE MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET OR ROOM.

SECTION 8 FIRST AID MEASURES

SKIN	FLUSH WITH WATER. CALL A PHYSICIAN IF IRRITATION DEVELOPS. COMPLETELY DECONTAMINATE CLOTHING, SHOES AND LEATHER GOODS BEFORE REUSE OR DISCARD.
EYE	CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
INHALATION	REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.
INGESTION	DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE THE RISK OF ASPIRATION. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS, IS RAPIDLY LOSING CONSCIOUSNESS OR IS CONVULSING.

VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC

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