



KENCRO

CHEMICALS

PRODUCT: CITRIC ACID

SECTION 1: PRODUCT INFORMATION

PRODUCT NAME CITRIC ACID
MATERIAL USE. ADDITIVE

SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	T.L.V.	C.A.S. #	LD/50,ROUTE, SPECIE	LC/50,ROUTE, SPECIE
CITRIC ACID	60-100	N.AV.	77-92-9	5.0 G/KG (ORAL)	N.AV.

SECTION 3: PHYSICAL DATA

PHYSICAL STATE SOLID
VAPOUR PRESSURE (MMHG) N.AP.
VAPOUR DENSITY (AIR=1) N.AP.
EVAPORATION RATE N.AP.
BOILING POINT N.AP.
FREEZING POINT N.AP.
PH (5%)
SPECIFIC GRAVITY (WATER=1) 1.54 @ 25°C
COEFFICIENT OF WATER/OIL
DIST. N.AP.

SECTION 4: FIRE AND EXPLOSION DATA

FLAMMABILITY NOT FLAMMABLE

IF YES, UNDER WHICH CONDITIONS?

EXTINGUISHING MEDIA WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL (FOR AREA FIRES)

SPECIAL PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN A POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

FLASH POINT(C), METHOD N.AP.
AUTO IGNITION TEMPERATURE N.AP.
UPPER FLAMMABLE LIMIT. N.AP.
(% BY VOL)
LOWER FLAMMABLE LIMIT N.AP.
(% BY VOL)

HAZARDOUS COMBUSTION PRODUCTS CARBON MONOXIDE, CARBON DIOXIDE

EXPLOSION DATA

SENSITIVITY TO STATIC N.AP.
DISCHARGE
SENSITIVITY TO IMPACT N.AP.

SECTION 5: REACTIVITY DATA

CHEMICAL STABILITY
YES YES
NO, WHICH CONDITIONS?

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COMPATIBILITY WITH OTHER SUBSTANCES:

YES	STRONG ALKALIES
NO, WHICH ONES?	WILL NOT OCCUR
HAZARDOUS POLYMERIZATION	WILL REACT WITH ALUMINUM AND MAGNESIUM
CONDITIONS TO AVOID	CARBON MONOXIDE, CARBON DIOXIDE OF DECOMPOSITION
HAZARDOUS PRODUCTS	

SECTION 6: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY	
SKIN CONTACT	IRRITATION, MAY BURN
EYE CONTACT	IRRITATION, MAY BURN. CONTACT LENSES MAY CONTRIBUTE TO THE SEVERITY OF THE EYE INJURY
INHALATION	IRRITATION, MAY BURN
INGESTION	IRRITATION, MAY BURN
EFFECTS OF ACUTE EXPOSURE	IRRITATION BY ALL ROUTES, MAY BURN
EFFECTS OF CHRONIC EXPOSURE	IRRITATION MAY BURN
LD 50 MATERIAL, SPECIES & ROUTE	SEE SECTION II
LC 50 MATERIAL, SPECIES & ROUTE	SEE SECTION II
EXPOSURE LIMIT OF MATERIAL	SEE SECTION II
IRRITANCY OF MATERIAL	SEE ABOVE
SENSITIZING CAPABILITY OF MATERIAL	N.AP.
CARCINOGENICITY OF MATERIAL	NONE
REPRODUCTIVE EFFECTS	N.AV.
MUTAGENICITY	N.AV.
TERATOGENICITY	N.AV.
SYNERGISTIC MATERIALS	N.AV.

SECTION 7: PREVENTATIVE MEASURES

GLOVES/TYPE	RUBBER GLOVES
RESPIRATORY/TYPE	NIOSH APPROVED DUST MASK
EYE/TYPE	CHEMICAL GOGGLES
LEAK/SPILL	SWEEP UP AND RETURN TO CONTAINER
WASTE DISPOSAL	COMPLY WITH ALL FEDERAL AND PROVINCIAL REGULATIONS FOR
PROPER	DISPOSAL PROCEDURES
HANDLING PROCEDURES.	WEAR SAFETY EQUIPMENT. CONTAINERS MAY BE HAZARDOUS EVEN WHEN EMPTY, AND EQUIPMENT OBSERVE ALL HAZARD PRECAUTIONS
STORAGE NEEDS	STORE IN A COOL, DRY PLACE. PROTECT FROM HUMIDITY.
SPECIAL SHIPPING INSTRUCTIONS	NON-HAZARDOUS

SECTION 8: FIRST AID MEASURES

SKIN: IMMEDIATELY WASH SKIN WITH PLENTY OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. WASH BEFORE REUSE. SEEK MEDICAL ATTENTION IF THE IRRITATION PERSISTS.

EYES: TIME IS OF THE ESSENCE. IF THIS CHEMICAL GETS IN THE EYES IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER AND CONTINUE TO FLUSH FOR 15 MINUTES WHILE OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. ALWAYS SEEK MEDICAL ATTENTION FOR ACCIDENTS INVOLVING THE EYES.

INHALATION: IF INHALED, REMOVE VICTIM TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

INGESTION: IMMEDIATELY DRINK TWO GLASSES OF WATER AND INDUCE VOMITING BY EITHER GIVING IPECAC SYRUP OR BY PLACING FINGER AT THE BACK OF THE THROAT. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS OR CONVULSING PERSON. GET MEDICAL ATTENTION IMMEDIATELY.

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SECTION 9: PREPARATION INFORMATION

EMERGENCY PHONE NO	(613) 996 6666 (CANUTEC)
N.AP. = NOT APPLICABLE	
N.AV. = NOT AVAILABLE	
PREPARED BY	KENCRO CHEMICALS LIMITED
	905-827 4133
DATE	JUNE 1, 2008

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