



Canwax
114 Lindgren Rd. W Unit 1B
Huntsville, ON
P1H 1Y2
705-789-1002



PRODUCT: CITRIC ACID ANHYDROUS USP 35 M30-100

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURERS..... SUPPLIED BY:
Canwax
114 Lindgren Rd. W Unit 1B
Huntsville, ON P1H 1Y2
705-789-1002
www.canwax.com

PRODUCT NAME..... CITRIC ACID ANHYDROUS USP 35 M30-100

CHEMICAL NAME:..... 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID.

CHEMICAL FAMILY:..... CARBOXYLIC ACID.

CHEMICAL FORMULA:..... HOC(COOH) (CH₂COOH)₂.

MOLECULAR WEIGHT:..... 192.13.

MATERIAL USE:..... FOOD AND COSMETICS. INDUSTRIAL
CLEANERS. 24 HOUR EMERGENCY PHONE NUMBER: CANUTEC (613) 996-6666.

SECTION 02: HAZARDS IDENTIFICATION



HAZARD CLASSIFICATION..... NOT ASSESSED.

SIGNAL WORD..... NOT ASSESSED.

HAZARD STATEMENT..... NOT ASSESSED.

PRECAUTIONARY STATEMENT..... NOT ASSESSED.

OTHER HAZARDS..... NOT ASSESSED.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
CITRIC ACID	77-92-9	60-100

SECTION 04: FIRST AID MEASURES

SKIN:..... REMOVE ALL CONTAMINATED CLOTHING. FLUSH AREA OF CONTACT WITH WATER FOR AT LEAST 15 MINUTES. THEN WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. DO NOT WASH WITH SOLVENT. LAUNDER CLOTHING BEFORE REUSE.

EYE:..... FLUSH CONTINUOUSLY WITH WATER FOR 15 MINUTES. FORCIBLY HOLD EYELIDS APART TO ENSURE IRRIGATION OF ALL EYE TISSUE. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

INHALATION:..... REMOVE TO FRESH AIR, APPLY ARTIFICIAL RESPIRATION OR ADMINISTER OXYGEN IF NECESSARY.

INGESTION:..... IF CONSCIOUS: IF INGESTION OF A LARGE AMOUNT DOES OCCUR SEEK MEDICAL ATTENTION. GIVE LARGE AMOUNT OF WATER.

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NOTES TO PHYSICIAN:..... THERE IS NO SPECIFIC ANTIDOTE. TREATMENT OF EXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

GENERAL ADVICE:..... AVOID HIGH LEVELS OF DUST, USE DUST MASK OR RESPIRATOR WHEN NECESSARY. USE WITH ADEQUATE VENTILATION. PRECAUTIONS SHOULD ALWAYS BE TAKEN TO AVOID SKIN/EYE CONTACT WITH ANY CHEMICAL SUBSTANCE.

SECTION 05: FIRE FIGHTING MEASURES

MEANS OF EXTINCTION:..... CARBON DIOXIDE. DRY CHEMICAL. POLAR SOLVENT FOAM. WATER FOG.

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON (CO,CO2).

FLAMMABLE LIMITS IN AIR:..... NOT AVAILABLE.

IF YES, UNDER WHICH CONDITIONS?

T.D.G. FLAMMABLE CLASS:..... NON REGULATED.

SECTION 05: FIRE FIGHTING MEASURES

SPECIAL PROCEDURES:..... SELF-CONTAINED, POSITIVE PRESSURE BREATHING APPARATUS AND PROPER PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING ANY CHEMICAL SUBSTANCE.

SECTION 06: ACCIDENTAL RELEASE MEASURES

CLEAN-UP PROCEDURES, LEAK/SPILL:... DISPOSE OF WASTE IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL, AND FEDERAL GUIDELINES. SCRAPE OR SHOVEL INTO AN APPROVED SALVAGE DRUM AND HOLD FOR DISPOSAL.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND AVOID ALL EYE AND SKIN CONTACT. AVOID CHRONIC INHALATION OF DUST. USE EQUIPMENT: ADEQUATE VENTILATION.

STORAGE NEEDS:..... STORE IN A COOL, DRY AND WELL-VENTILATED AREA.

SPECIAL SHIPPING INSTRUCTIONS:..... PROTECT AGAINST PHYSICAL DAMAGE. USE PRECAUTION WHEN HANDLING OR SHIPPING ANY CHEMICAL SUBSTANCE.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	

CITRIC ACID NOT AVAILABLE

EXPOSURE LIMIT OF MATERIAL:..... 5 mg/m3.

PROTECTIVE EQUIPMENT:

GLOVES/TYPE:..... WEAR IMPERVIOUS GLOVES (E.G. NEOPRENE, RUBBER) WHEN THERE IS GREATER EXPOSURE RISK.

RESPIRATOR/TYPE:..... NONE REQUIRED PROVIDED ADEQUATE VENTILATION IS PRESENT. AN APPROVED DUST MASK IS RECOMMENDED UNDER DUSTY CONDITIONS.

EYE/TYPE:..... SAFETY GLASSES WITH SIDE-SHIELDS.

FOOTWEAR/TYPE:..... AS REQUIRED BY GENERAL WORK SITUATION.

CLOTHING/TYPE:..... WEAR ADEQUATE PROTECTIVE CLOTHES.

OTHER/TYPE:..... AN EYE WASH STATION AND SAFETY SHOWER SHOULD BE NEAR THE WORK AREA.

ENGINEERING CONTROLS:..... ADEQUATE VENTILATION TO AVOID CHRONIC INHALATION OF DUST.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:..... SOLID.

ODOUR/APPEARANCE:..... ODOURLESS, COLOURLESS TRANSLUCENT CRYSTALS OR WHITE CRYSTALLINE POWDER.

ODOUR THRESHOLD:..... ODOURLESS.

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pH:..... 2.2.
 MELTING POINT °C:..... 153.
 FREEZING POINT °C:..... NOT AVAILABLE.
 BOILING POINT:..... NOT AVAILABLE.
 FLASH POINT, F, COC..... NOT AVAILABLE.
 EVAPORATION RATE:..... NOT AVAILABLE.
 % VOLATILE:
 BY VOLUME..... 8.8.
 BY WEIGHT
 UPPER EXPLOSION LIMIT:..... NOT AVAILABLE.
 LOWER EXPLOSION LIMIT:..... NOT AVAILABLE.
 VAPOUR PRESSURE:..... NOT AVAILABLE.
 REL. VAPOUR DENSITY..... NOT AVAILABLE.
 SPECIFIC GRAVITY:..... 1.54.
 SOLUBILITY IN WATER (20 °C):..... APPRECIABLE.
 COEFFICIENT WATER/OIL DIST.:..... NOT AVAILABLE.
 AUTO IGNITION TEMPERATURE °C:..... NOT AVAILABLE.

SECTION 10: STABILITY AND REACTIVITY

REACTS VIOLENTLY WITH..... IN THE PRESENCE OF ANY OF THE ABOVE.

CHEMICAL STABILITY:

YES..... YES.

NO, WHICH CONDITIONS?

SECTION 10: STABILITY AND REACTIVITY

COMPATIBILITY WITH OTHER
 SUBSTANCES:

YES.
 NO, WHICH ONES?..... STRONG ALKALIES. ALUMINIUM. MAGNESIUM. STRONG BASES.

RATE OF BURNING:..... NOT AVAILABLE.

EXPLOSIVE POWER:..... NOT AVAILABLE.

EXPLOSION DATA:

SENSITIVITY TO STATIC DISCHARGE:..... NOT AVAILABLE.

SENSITIVITY TO IMPACT:..... NOT AVAILABLE.

DECOMPOSITION:..... OXIDES OF CARBON (CO,CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
CITRIC ACID	NOT AVAILABLE	ORAL RAT 6730 mg/Kg ORAL MOUS 5040 mg/Kg

ROUTE OF ENTRY:

IRRITANCY OF MATERIAL:..... IRRITANT.

SKIN CONTACT:..... IRRITATING.

SKIN ABSORPTION:..... NOT AVAILABLE.

EYE IRRITATING.

INGESTION..... CAN CAUSE GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING AND
 DIARRHEA.

INHALATION..... BREATHING DUST MAY IRRITATE THE NOSE AND THROAT AND CAUSE COUGHING
 AND CHEST DISCOMFORT.

MEDICAL CONDITIONS AGGRAVATED BY MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE TO THIS PRODUCT
 OVEREXPOSURE: HAVE NOT BEEN ESTABLISHED. UNNECESSARY EXPOSURE TO THIS PRODUCT
 OR ANY OTHER CHEMICAL SHOULD BE AVOIDED.

EFFECTS OF ACUTE EXPOSURE:..... NOT AVAILABLE.

EFFECTS OF CHRONIC EXPOSURE:..... NOT AVAILABLE.

INHALATION CHRONIC:..... CAN CAUSE SEVERE IRRITATION OF NOSE AND THROAT, AND MAY
 CAUSE BRONCHITIS OR FLUID ON THE LUNGS (pulmonary edema). REPRODUCTIVE EFFECTS:.....
 NOT AVAILABLE.

REPRODUCTIVE TOXICITY:..... NOT AVAILABLE.

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SENSITIZING CAPABILITY OF MATERIAL: NOT AVAILABLE.
 SYNERGISTIC MATERIALS:..... NOT AVAILABLE.
 MUTAGENICITY:..... NOT AVAILABLE.
 TERATOGENICITY & EMBRYOTOXICITY: NOT AVAILABLE.
 CARCINOGENICITY OF MATERIAL:..... NOT CONSIDERED A CARCINOGEN BY OSHA, NTP OR IARC.
 ACUTE ORAL TOXICITY..... 11.7 G/KG, RAT, ORAL.
 LC 50 OF MATERIAL, SPECIES & ROUTE: NOT AVAILABLE.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL..... NOT AVAILABLE.
 BIODEGRADABILITY..... NOT AVAILABLE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL, METHOD AND ALL WASTE FROM THIS PRODUCT INCLUDING ALL EMPTY CONTAINERS MUST BE
 EQUIPMENT: DISPOSED OF IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL
 REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

T.D.G. CLASSIFICATION:..... NON REGULATED.
 T.D.G. SHIPPING NAME:..... NOT APPLICABLE.
 T.D.G. SHIPPING INFORMATION:..... NOT APPLICABLE.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION:..... CLASS D DIV. 2 SUB. B.
 CPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD
 CRITERIA OF THE CPR AND THE SDS CONTAINS ALL OF THE INFORMATION
 REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

MANUFACTURERS MSDS DATE:..... 01/01/2014.
 NOTE:..... The information on this Material Safety Data Sheet has been obtained from the
 manufacturer, and where applicable, from other reliable sources such as CCOHS and
 RTECS. However, Canwax makes no
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 connection with the accuracy, completeness or adequacy of such information.
 PREPARED BY Regulatory Affairs
 PREPARATION DATE..... NOV 23/2017