

BEBBINGTON INDUSTRIES SAFETY DATA SHEET

PHOSPHORIC ACID 75% TG

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER	BEBBINGTON INDUSTRIES 44 WRIGHT AVENUE DARTMOUTH, NOVA SCOTIA, CANADA B3B 1G6
PRODUCT NAME	PHOSPHORIC ACID 75% TG
CHEMICAL FORMULA	H3PO4
CHEMICAL FAMILY	INORGANIC ACID
MATERIAL USE	FOOD APPLICATION
EMERGENCY NUMBER	CANUTEC 1 613 996 6666

SECTION 02: HAZARDS IDENTIFICATION



SIGNAL WORD.....	DANGER.
HAZARD CLASSIFICATION.....	CORROSIVE TO METALS — CATEGORY 1 . SKIN CORROSION — CATEGORY 1B.
HAZARD STATEMENT.....	H290 MAY BE CORROSIVE TO METALS. H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
PRECAUTIONARY STATEMENT.....	P234 KEEP ONLY IN ORIGINAL CONTAINER. P260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P264 WASH... THOROUGHLY AFTER HANDLING. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P303+P361+P353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P304+P340 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P301+P330+P331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P321 SPECIFIC TREATMENT (SEE ... ON THIS LABEL). P390 ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE. P406 STORE IN CORROSIVE RESISTANT/... CONTAINER WITH A RESISTANT INNER LINER. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER ACCORDING TO ALL APPLICABLE REGULATIONS.
OTHER HAZARDS.....	NO DATA AVAILABLE.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
PHOSPHORIC ACID	7664-38-2	75

SECTION 04: FIRST AID MEASURES

GENERAL ADVICE:.....	MOVE OUT OF DANGEROUS AREA. CONSULT A PHYSICIAN. SHOW THE SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.
IF INHALED:.....	IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.
IN CASE OF SKIN CONTACT:.....	TAKE OFF CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH OFF WITH SOAP AND PLENTY OF WATER FOR AT LEAST 20 MINUTES. CONSULT A PHYSICIAN.
IN CASE OF EYE CONTACT:.....	IRRIGATE EYES FOR AT LEAST 15 MINUTES WITH COPIOUS AMOUNTS OF WATER, KEEPING EYELIDS APART AND AWAY FROM EYEBALLS DURING IRRIGATION.
IF SWALLOWED:.....	DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN. DO NOT LEAVE VICTIM UNATTENDED.

PRODUCT: PHOSPHORIC ACID 75% TG**SECTION 05: FIRE FIGHTING MEASURES**

FLAMMABILITY..... NOT COMBUSTIBLE/NOT FLAMMABLE.
 SUITABLE EXTINGUISHING MEDIA..... SUITABLE FOR SURROUNDING FIRE. CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER FOG.
 HAZARDOUS COMBUSTION PRODUCTS..... OXIDES OF PHOSPHORUS.
 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL..... NO DATA AVAILABLE.
 SPECIAL PROCEDURES..... EVACUATE HAZARD AREA. WEAR FULL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS..... WEAR RESPIRATORY PROTECTION. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. EVACUATE PERSONNEL TO SAFE AREA.
 ENVIRONMENTAL PRECAUTIONS..... DO NOT ALLOW PRODUCT TO ENTER DRAINS.
 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP..... SOAK UP WITH INERT ABSORBENT MATERIAL AND DISPOSE OF AS HAZARDOUS WASTE. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING..... HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING MIST OR VAPOUR. ALWAYS ADD ACID TO WATER. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. USE ADEQUATE VENTILATION. FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.
 CONDITIONS FOR SAFE STORAGE..... PROTECT CONTAINER FROM PHYSICAL DAMAGE. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE AWAY FROM INCOMPATIBLE MATERIALS. STORE IN A COOL AND WELL-VENTILATED AREA.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	REL	OSHA PEL STEL	REL	NIOSH
PHOSPHORIC ACID	1 MG/KG 1 MG/M3	1 MG/KG				
ENGINEERING CONTROLS.....	GOOD VENTILATION SHOULD BE PROVIDED TO KEEP VAPOUR AND MIST CONCENTRATIONS BELOW THE EXPOSURE LIMITS. USE NIOSH APPROVED SUPPLIED-AIR RESPIRATOR.					
RESPIRATORY PROTECTION.....	ACID-PROOF GAUNTLET GLOVES SUCH AS: PVC, NEOPRENE OR NITRILE. COMPLETE SUIT PROTECTING AGAINST CHEMICALS. THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE. ACID PROOF BOOTS.					
SKIN AND BODY PROTECTION.....	SPLASH PROOF CHEMICAL GOGGLES. FACE SHIELD.					
EYE/FACE PROTECTION.....	EYE WASH STATION AND SAFETY SHOWER SHOULD BE LOCATED NEAR THE WORK STATION.					
OTHER/TYPE.....	IN CASE OF EMERGENCY OR WHERE THERE IS A STRONG POSSIBILITY OF CONSIDERABLE EXPOSURE, WEAR A COMPLETE ACID SUIT WITH HOOD, BOOTS, AND GLOVES. IF ACID VAPOUR OR MIST ARE PRESENT AND EXPOSURE LIMITS MAY BE EXCEEDED, WEAR APPROPRIATE NIOSH RESPIRATORY PROTECTION.					
NOTE.....						

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... COLORLESS VISCOUS LIQUID.
 ODOUR..... ODORLESS.
 ODOUR THRESHOLD..... NO DATA AVAILABLE.
 PH..... <1.
 MELTING POINT/FREEZING POINT (C)..... -17.5C.
 BOILING POINT..... 135C.
 FLASH POINT (C), METHOD..... NOT APPLICABLE.
 EVAPORATION RATE..... NO DATA AVAILABLE.
 FLAMMABILITY (SOLIDS AND GASES)..... NOT APPLICABLE.
 UPPER FLAMMABLE LIMIT (% BY VOL.)... NO DATA AVAILABLE.
 LOWER FLAMMABLE LIMIT (% BY VOL.)... NO DATA AVAILABLE.
 VAPOUR PRESSURE..... <2 MMHG @ 20°C.
 VAPOUR DENSITY (AIR=1)..... NO DATA AVAILABLE.
 SPECIFIC GRAVITY (WATER=1)..... 1.57.
 SOLUBILITY IN WATER (% W/W)..... SOLUBLE.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

AUTO IGNITION TEMPERATURE..... NO DATA AVAILABLE.
 PARTITION COEFFICIENT: NO DATA AVAILABLE.
 N-OCTANOL/WATER
 DECOMPOSITION TEMPERATURE..... NOT AVAILABLE.
 VISCOSITY..... NOT AVAILABLE.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:..... AVOID INCOMPATIBLES.
 CHEMICAL STABILITY:..... STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
 POSSIBILITY OF HAZARDOUS REACTIONS NO DATA AVAILABLE.
 CONDITIONS TO AVOID:..... CONCENTRATED ACID IS STRONG OXIDIZING AGENT. MAY CAUSE IGNITION OF COMBUSTIBLE MATERIAL ON CONTACT WITH GENERATION OF TOXIC FUMES. AVOID OPEN FLAMES AND SPARKS.
 INCOMPATIBLE MATERIALS :..... STRONG OXIDIZING AGENTS, STRONG REDUCING AGENTS, BASES AND CERTAIN METALS.
 HAZARDOUS DECOMPOSITION PRODUCTS OXIDES OF PHOSPHORUS.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
PHOSPHORIC ACID		INHALATION (RAT) : 25.5 MG/M3 INGESTION/ORAL (RAT) : 1.25 G/KG
ACUTE TOXICITY: ORAL LD50 INHALATION LC50 DERMAL LD50..... SKIN CORROSION / IRRITATION.....	> 2000 MG/KG (RABBIT). SKIN-RABBIT : 595 MG/KG. SEVERE IRRITATION, IRREVERSIBLE, BURNS (CORROSIVE).	
SERIOUS EYE DAMAGE / EYE IRRITATION	EYES - RABBIT : 119 MG/KG. SEVERE IRRITATION, IRREVERSIBLE, BURNS (CORROSIVE).	
RESPIRATORY OR SKIN SENSITIZATION. GERM CELL MUTAGENICITY..... CARCINOGENICITY.....	NO DATA AVAILABLE. NO DATA AVAILABLE. THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENT DESIGNATED BY IARC, NTP, ACGIH OR OSHA AS PROBABLE OR SUSPECTED HUMAN CARCINOGENS.	
REPRODUCTIVE TOXICITY..... STOT- SINGLE EXPOSURE..... STOT - REPEAT EXPOSURE..... ASPIRATION HAZARD..... POTENTIAL HEALTH EFFECTS.....	NO DATA AVAILABLE. NO DATA AVAILABLE. NO DATA AVAILABLE. NO DATA AVAILABLE. INHALATION - MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. INGESTION - MAY BE HARMFUL IF SWALLOWED. EYES - CAUSES SEVERE EYE BURNS. MAY CAUSE EYE IRRITATION. SKIN - MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION.	
SIGNS AND SYMPTOMS OF EXPOSURE..	MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN, SPASM, INFLAMMATION AND EDEMA OF THE LARYNX, SPASM, INFLAMMATION AND EDEMA OF THE BRONCHI, PNEUMONIA, PULMONARY EDEMA, BURNING SENSATION, COUGH, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING, EFFECTS MAY BE DELAYED. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATE.	

SECTION 12: ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY..... NO DATA AVAILABLE.
 BIOACCUMULATIVE POTENTIAL..... NO DATA AVAILABLE.
 TOXICITY..... TOXICITY TO FISH - LC50 - GAMBUSIA AFFINS (MOSQUITO FISH) - 138 MG/KG - 96H
 MOBILITY IN SOIL..... NO DATA AVAILABLE.
 OTHER ADVERSE EFFECTS..... NO INFORMATION AVAILABLE.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:..... IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.
 PRODUCT:..... AVOID RELEASE TO THE ENVIRONMENT.

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SECTION 14: TRANSPORT INFORMATION

UN NUMBER..... 1805.
TDG CLASSIFICATION..... 8.
PACKING GROUP..... II.
SPECIAL SHIPPING INSTRUCTIONS..... REFER TO TRANSPORTATION OF DANGEROUS GOOD REGULATIONS.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... E.
HPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE HPR AND THE SDS CONTAINS ALL THE INFORMATION REQUIRED BY THE HPR.

SECTION 16: OTHER INFORMATION

PREPARED BY BEBBINGTON INDUSTRIES
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DISCLAIMER:

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