

BEBBINGTON INDUSTRIES SAFETY DATA SHEET – 29 % HYDROGEN PEROXIDE

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SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER..... BEBBINGTON INDUSTRIES
44 WRIGHT AVENUE
DARTMOUTH, NOVA SCOTIA
CANADA
B3B 1G6

PRODUCT NAME..... HYDROGEN PEROXIDE 29% SG

PRODUCT CODE..... 500108

CHEMICAL FORMULA..... H2O2.

CHEMICAL FAMILY..... INORGANIC.

MOLECULAR WEIGHT..... 34.01.

MATERIAL USE..... INDUSTRIAL APPLICATIONS.

24 HOUR EMERGENCY PHONE NO CANUTEC 613 996 6666 OR 666 on cell phone

SECTION 02: HAZARDS IDENTIFICATION



SIGNAL WORD..... DANGER.

HAZARD CLASSIFICATION..... OXIDIZING LIQUIDS — CATEGORY 2 . ACUTE TOXIC I
SERIOUS EYE DAMAGE — CATEGORY 1. SPECIFIC TTY (ORAL) — CATEGORY 4.
SINGLE EXPOSURE — CATEGORY 3. TARGET ORGAN TOXICITY —

HAZARD STATEMENT..... H272 MAY INTENSIFY FIRE; OXIDIZER. H302 HARMFUL IF SWALLOWED. H318
CAUSES SERIOUS EYE DAMAGE. H335 MAY CAUSE RESPIRATORY IRRITATION.
H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRECAUTIONARY STATEMENT..... P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND
OTHER IGNITION SOURCES – NO SMOKING... P220 KEEP/STORE AWAY FROM
CLOTHING/.../COMBUSTIBLE MATERIALS. P221 TAKE ANY PRECAUTION TO AVOID
MIXING WITH COMBUSTIBLES.... P261 AVOID BREATHING
DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P264 WASH... THOROUGHLY AFTER
HANDLING. P270 DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. P273 AVOID
RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE
CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+P312 IF SWALLOWED:
CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.
P304+P340 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A
POSITION COMFORTABLE FOR BREATHING. P305+P351+P338 IF IN EYES: RINSE
CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES,
IF PRESENT AND EASY TO DO. CONTINUE RINSING. P310 IMMEDIATELY CALL A
POISON CENTER OR DOCTOR/PHYSICIAN. P330 RINSE MOUTH. P370+P378 IN
CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL RESISTANT FOAM
FOR EXTINCTION. P403+P233 STORE IN A WELL-VENTILATED PLACE. KEEP
CONTAINER TIGHTLY CLOSED. 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. %
HYDROGEN PEROXIDE	7722-84-1	35

SECTION 04: FIRST AID MEASURES

GENERAL ADVICE.....	CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. MOVE OUT OF DANGEROUS AREA.
IF INHALED.....	IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
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. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO. CONTINUE FLUSHING. GET MEDICAL ATTENTION. GET COMPETENT MEDICAL ATTENTION IMMEDIATELY, PREFERABLY AN EYE SPECIALIST.
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. IF VICTIM IS FULLY CONSCIOUS, GIVE CUPFUL OF WATER.

SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY.....	NOT COMBUSTIBLE/NOT FLAMMABLE.
SUITABLE EXTINGUISHING MEDIA.....	USE MEDIA SUITABLE FOR SURROUNDING FIRE, SUCH AS WATER SPRAY, DRY CHEMICAL, FOAM.
HAZARDOUS COMBUSTION PRODUCTS. SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	MAY GENERATE NITROGEN OXIDES, AMMONIA GAS. 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.....	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:	CONTAIN SPILLAGE AND THEN COLLECT WITH ELECTRICALLY PROTECTED VACUUM CLEANER OR BY WET-BRUSHING AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS.

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. KEEP AWAY FROM SOURCES OF IGNITION. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. USE ADEQUATE VENTILATION. EMPTIED CONTAINER RETAINS VAPOUR AND PRODUCT RESIDUE. ALWAYS KEEP IN CONTAINERS MADE OF THE SAME MATERIALS AS THE SUPPLY CONTAINER.
CONDITIONS FOR SAFE STORAGE.....	PROTECT CONTAINER FROM PHYSICAL DAMAGE. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE IN COOL DRY, WELL VENTILATED AREA. STORE AWAY FROM INCOMPATIBLE MATERIALS. STORE IN A COOL AND WELL-VENTILATED AREA. KEEP AWAY FROM FLAMES AND SPARKS. STORE AWAY FROM STRONG OXIDIZERS.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		NIOSH REL
	TWA	STEL		STEL	STEL	
HYDROGEN PEROXIDE 1 ppm			1 ppm			
ENGINEERING CONTROLS.....	USE GOOD VENTILATION. LOCAL EXHAUST SUGGESTED FOR ENCLOSED SPACES.					
RESPIRATORY PROTECTION.....	USE NIOSH APPROVED SUPPLIED-AIR RESPIRATOR. AVOID BREATHING VAPOR AND/OR MISTS.					
SKIN AND BODY PROTECTION.....	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. BUTYL RUBBER, PVC OR NEOPRENE.					
EYE/FACE PROTECTION.....	SPLASH PROOF CHEMICAL GOGGLES. FACE SHIELD.					
OTHER/TYPE.....	EYE WASH STATION AND SAFETY SHOWER SHOULD BE LOCATED NEAR THE WORK STATION.					
NOTE.....	IN CASE OF EMERGENCY OR WHERE THERE IS A STRONG POSSIBILITY OF CONSIDERABLE EXPOSURE, WEAR A COMPLETE ACID SUIT WITH HOOD, BOOTS, AND GLOVES.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	COLORLESS LIQUID.
ODOUR.....	ODORLESS.
ODOUR THRESHOLD.....	NO DATA AVAILABLE.
PH.....	NO DATA AVAILABLE.
MELTING POINT/FREEZING POINT (C).....	-33 C.
BOILING POINT.....	108 C.
FLASH POINT (C), METHOD.....	NOT APPLICABLE.
EVAPORATION RATE.....	NO DATA AVAILABLE.
FLAMMABILITY (SOLIDS AND GASES).....	NOT APPLICABLE.
UPPER FLAMMABLE LIMIT (% BY VOL.)...	NOT APPLICABLE.
LOWER FLAMMABLE LIMIT (% BY VOL.)...	NOT APPLICABLE.
VAPOUR PRESSURE.....	24 mmHg @20 C.
VAPOUR DENSITY (AIR=1).....	NO DATA AVAILABLE.
SPECIFIC GRAVITY (WATER=1).....	1.13.
SOLUBILITY IN WATER (% W/W).....	COMPLETELY SOLUBLE.
AUTO IGNITION TEMPERATURE.....	NOT APPLICABLE.
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.....	MATERIAL DECOMPOSES WITH THE POTENTIAL TO PRODUCE A RUPTURE OF UNVENTED CLOSED CONTAINERS. LIGHT.
INCOMPATIBLE MATERIALS	METALS. ORGANIC MATERIALS. REDUCING AGENTS. METALLIC OXIDES. DUSTS. ALKALINE MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS	THIS MATERIAL DECOMPOSES IF CONTAMINATED, CAUSING FIRE AND EXPLOSIONS. OXYGEN CAN BE LIBERATED AT TEMPERATURES ABOVE AMBIENT.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
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HYDROGEN PEROXIDE ORAL-RAT- 1200 mg/kg

ACUTE TOXICITY:

ORAL LD50..... SEE ABOVE.

INHALATION LC50..... NO DATA AVAILABLE.

DERMAL LD50..... RABBIT- >2000 mg/kg .

SKIN CORROSION / IRRITATION..... RABBIT - MILD SKIN IRRITAION.

SERIOUS EYE DAMAGE / EYE IRRITATION CAUSES SERIOUS EYE DAMAGE.

RESPIRATORY OR SKIN SENSITIZATION. NO DATA AVAILABLE.

GERM CELL MUTAGENICITY..... NO EVIDENCE WAS FOUND OF MUTAGENICITY.

CARCINOGENICITY..... IARC: 3 - GROUP 3: NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS

REPRODUCTIVE TOXICITY..... NO EVIDENCE FOUND OF REPRODUCTIVE TOXICITY.

STOT- SINGLE EXPOSURE..... MAY CAUSE RESPIRATORY IRRITATION.

STOT - REPEAT EXPOSURE..... NO DATA AVAILABLE.

ASPIRATION HAZARD..... NO DATA AVAILABLE.

POTENTIAL HEALTH EFFECTS..... INHALATION - MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. INGESTION- TOXIC 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..... IS PREDICTED TO BE LOW.

TOXICITY..... TOXICITY TO FISH: LC50- PRIMPHALES (FATHEAD MINNOW) - 4555 mg/L - 96H (n-PROPANOL). EC50 - DAPHNIA MAGNA (WATER FLEA) - >7060 mg/L - 48H (MEK).

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.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER..... 2014.

TDG CLASSIFICATION..... 5.1 (8).

PACKING GROUP..... II.

SPECIAL SHIPPING INSTRUCTIONS..... REFER TO TRANSPORTATION OF DANGEROUS GOODS REGULATIONS.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... C. DIB. E. F.

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.

DSL..... THIS MATERIAL IS LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST.
TSCA..... THE COMPONENTS ARE EITHER LISTED ON THE TSCA INVENTORY OR EXEMPT
FROM THE INVENTORY.

SECTION 16: OTHER INFORMATION

Prepared by Bebbington Industries, JULY 2023

DISCLAIMER:

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. BEBBINGTON INDUSTRIES SHALL NOT BE HELD LIABLE FOR ANY DAMAGE OR INJURY RESULTING FROM HANDLING OF, OR FROM CONTACT WITH THE ABOVE PRODUCT. ALL PERSONS USING THIS PRODUCT SHOULD BE WHMIS TRAINED.

