

BEBBINGTON INDUSTRIES SDS

METHANOL

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER..... BEBBINGTON INDUSTRIES
44 WRIGHT AVENUE
DARTMOUTH
NOVA SCOTIA CANADA B3B 1G6
PHONE: 902 468 8180

PRODUCT NAME..... METHANOL

CHEMICAL FORMULA..... CH3OH.

CHEMICAL FAMILY..... ALCOHOL.

MOLECULAR WEIGHT..... 32.04.

MATERIAL USE..... SOLVENT.

24 HOUR EMERGENCY PHONE NO..... CANUTECH 1 613 996 6666 CELL PHONE 666

SECTION 02: HAZARDS IDENTIFICATION



SIGNAL WORD..... DANGER.

HAZARD CLASSIFICATION..... FLAMMABLE LIQUIDS — CATEGORY 2. ACUTE TOXICITY (ORAL) — CATEGORY 3. ACUTE TOXICITY (DERMAL) — CATEGORY 3. ACUTE TOXICITY (INHALATION) — CATEGORY 3. SPECIFIC TARGET ORGAN TOXICITY — SINGLE EXPOSURE — CATEGORY 1.

HAZARD STATEMENT..... H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR. H301+H311+H331 TOXIC IF SWALLOWED, IN CONTACT WITH SKIN OR IF INHALED. H370 CAUSES DAMAGE TO ORGANS .

PRECAUTIONARY STATEMENT..... P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND OTHER IGNITION SOURCES – NO SMOKING... P260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P302+P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P312 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. P308 IF EXPOSED OR CONCERNED: P311 CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P501 DISPOSE OF CONTENTS/CONTAINER ACCORDING TO ALL APPLICABLE REGULATIONS. P405 STORE LOCKED UP.

OTHER HAZARDS..... VAPOURS CAN ACCUMULATE IN LOW AREAS.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS: METHANOL

CAS: 67-56-1

CONCENTRATION: 99.5 MIN

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.

IN CASE OF SKIN CONTACT:..... WASH OFF WITH SOAP AND PLENTY OF WATER. TAKE VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A PHYSICIAN.

IN CASE OF EYE CONTACT:..... WASH EYES WITH COPIOUS AMOUNT OF WATER.

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.

SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... FLAMMABLE IN THE PRESENCE OF A SOURCE OF IGNITION WHEN THE TEMPERATURE IS ABOVE THE FLASH POINT. KEEP AWAY FROM HEAT/SPARK/OPEN FLAME/HOT SURFACE. NO SMOKING.

SUITABLE EXTINGUISHING MEDIA..... SUITABLE FOR SURROUNDING FIRE. USE MEDIA SUITABLE FOR SURROUNDING FIRE, SUCH AS WATER SPRAY, DRY CHEMICAL, FOAM.

HAZARDOUS COMBUSTION PRODUCTS. CARBON OXIDES.

SPECIFIC HAZARDS ARISING FROM THE NO DATA AVAILABLE.

CHEMICAL

SPECIAL PROCEDURES..... EVACUATE HAZARD AREA. WEAR FULL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:..... USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPORS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF VAPOURS ACCUMULATING TO FORM EXPLOSIVE CONCENTRATIONS. VAPOURS CAN ACCUMULATE IN LOW AREAS.

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. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. USE EXPLOSION PROOF EQUIPMENT. USE ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE.

CONDITIONS FOR SAFE STORAGE..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. PROTECT CONTAINER FROM PHYSICAL DAMAGE. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. 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

METHANOL	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
	200 PPM	250 PPM			REL

ENGINEERING CONTROLS..... USE GOOD VENTILATION. LOCAL EXHAUST SUGGESTED FOR ENCLOSED SPACES.

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. FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION..... USE NIOSH APPROVED SUPPLIED-AIR RESPIRATOR.

EYE/FACE PROTECTION..... SPLASH PROOF CHEMICAL GOGGLES. FACE SHIELD.

HYGIENIC MEASURES..... USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

OTHER/TYPE..... EYE WASH STATION AND SAFETY SHOWER SHOULD BE LOCATED NEAR THE WORK STATION.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	CLEAR COLORLESS LIQUID
ODOR	ALCOHOL LIKE
ODOR THRESHOLD	NO DATA AVAILABLE
MELTING/FREEZING POINT	- 98 C
BOILING POINT	64.7 C
FLASH POINT	11 C
EVAPORATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLIDS AND GASSES)	NOT APPLICABLE
VAPOR PRESSURE	128 hPa @ 20 C
VAPOR DENSITY	1.11
SPECIFIC GRAVITY	0.791
WATER SOLUBILITY	SOLUBLE/MISCIBLE
AUTO IGNITION TEMPERATURE	455 C
PARTITION COEFFICIENT	LOG POW 0.35
DECOMPOSITION TEMPERATURE	NO DATA AVAILABLE
VISCOSITY	NO DATA AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:..... NO DATA AVAILABLE.

CHEMICAL STABILITY:..... STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS/VAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.

CONDITIONS TO AVOID:..... AVOID OPEN FLAMES AND SPARKS.

INCOMPATIBLE MATERIALS STRONG OXIDIZING AGENTS. ACID CHLORIDES. ACID ANHYDRIDES. ALKALI
METALS. REDUCING AGENTS. STRONG ACIDS.
HAZARDOUS DECOMPOSITION CARBON OXIDES.
PRODUCTS

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:
ORAL LD50.RAT..... 1187 – 2769 MG/KG
RAT INHALATION LC50..... 128.2 MG/KG 4H
DERMAL LD50..... RABBIT - 17100 mg/kg.
SKIN CORROSION / IRRITATION..... RABBIT- NO SKIN IRRITATION - 4H.
SERIOUS EYE DAMAGE / EYE IRRITATION RABBIT - NO EYE IRRITATION.
RESPIRATORY OR SKIN SENSITIZATION. DOES NOT CAUSE SKIN SENSITISATION.
GERM CELL MUTAGENICITY..... GENOTOXICITY IN VITRO - AMES TEST- S. TYPHIMURIUM- NEGATIVE.
CARCINOGENICITY..... THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENT DESIGNATED BY
IARC, NTP, ACGIH OR OSHA AS PROBABLE OR SUSPECTED HUMAN
CARCINOGENS.
ACGIH: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER
THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL
CARCINOGEN BY ACGIH.
REPRODUCTIVE TOXICITY..... NO EVIDENCE FOUND OF REPRODUCTIVE TOXICITY.
STOT- SINGLE EXPOSURE..... CAUSES DAMAGE TO ORGANS.
STOT - REPEAT EXPOSURE..... NO DATA AVAILABLE.
ASPIRATION HAZARD..... NO DATA AVAILABLE.
POTENTIAL HEALTH EFFECTS..... INHALATION- TOXIC IF INHALED. MAY CAUSE RESPIRATORY TRACT
IRRITATION. INGESTION- TOXIC IF SWALLOWED. EYES - MAY CAUSE EYE
IRRITATION. SKIN - TOXIC IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN
IRRITATION.
SIGN AND SYMPTOMS OF EXPOSURE.. METHYL ALCOHOL MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED.
EFFECTS DUE TO INGESTION MAY INCLUDE: HEADACHE, DIZZINESS,
DROWSINESS, METABOLIC ACIDOSIS, COMA, SEIZURES. SYMPTOMS MAY BE
DELAYED, DAMAGE OF THE LIVER, KIDNEY.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:..... NO DATA AVAILABLE.
CHEMICAL STABILITY:..... STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
POSSIBILITY OF HAZARDOUS REACTIONSVAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.
CONDITIONS TO AVOID:..... AVOID OPEN FLAMES AND SPARKS.
INCOMPATIBLE MATERIALS STRONG OXIDIZING AGENTS. ACID CHLORIDES. ACID ANHYDRIDES. ALKALI
METALS. REDUCING AGENTS. STRONG ACIDS. HAZARDOUS DECOMPOSITION CARBON OXIDES.
PRODUCTS

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

ORAL LD50.....	RAT 1187 – 2769 MG/KG
INHALATION LC50.....	RAT 128.2 MG/L 4H
DERMAL LD50.....	RABBIT - 17100 mg/kg.
SKIN CORROSION / IRRITATION.....	RABBIT- NO SKIN IRRITATION - 4H.
SERIOUS EYE DAMAGE / EYE IRRITATION	RABBIT - NO EYE IRRITATION.
RESPIRATORY OR SKIN SENSITIZATION.	DOES NOT CAUSE SKIN SENSITISATION.
GERM CELL MUTAGENICITY.....	GENOTOXICITY IN VITRO - AMES TEST- S. TYPHIMURIUM- NEGATIVE.
CARCINOGENICITY.....	THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENT DESIGNATED BY IARC, NTP, ACGIH OR OSHA AS PROBABLE OR SUSPECTED HUMAN CARCINOGENS. ACGIH: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.
REPRODUCTIVE TOXICITY.....	NO EVIDENCE FOUND OF REPRODUCTIVE TOXICITY.
STOT- SINGLE EXPOSURE.....	CAUSES DAMAGE TO ORGANS.
STOT - REPEAT EXPOSURE.....	NO DATA AVAILABLE.
ASPIRATION HAZARD.....	NO DATA AVAILABLE.
POTENTIAL HEALTH EFFECTS.....	INHALATION- TOXIC IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. INGESTION- TOXIC IF SWALLOWED. EYES - MAY CAUSE EYE IRRITATION. SKIN - TOXIC IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION.
SIGNS AND SYMPTOMS OF EXPOSURE..	METHYL ALCOHOL MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. EFFECTS DUE TO INGESTION MAY INCLUDE: HEADACHE, DIZZINESS, DROWSINESS, METABOLIC ACIDOSIS, COMA, SEIZURES. SYMPTOMS MAY BE DELAYED, DAMAGE OF THE LIVER, KIDNEY.

SECTION 12: ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY.....	AEROBIC. RESULT: 72 % - RAPIDLY BIODEGRADABLE.
BIOACCUMULATIVE POTENTIAL.....	BIOACCUMULATION: CYPRINUS CARPIO (CARP) - 72 d @ 20 C . BIOCONCENTRATION FACTOR (BCF): 1.0.
TOXICITY.....	LC50 - Lepomis macrochirus (Bluegill) - 15,400.0 mg/l - 96 h (METHANOL). EC50 - Daphnia magna (Water flea) - > 10,000.00 mg/l - 48 h (METHANOL).
MOBILITY IN SOIL.....	WILL NOT ABSORB ON SOIL.
OTHER ADVERSE EFFECTS.....	AVOID RELEASE TO THE ENVIRONMENT.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:.....	INCINERATION INCLUDING ENERGY RECOVERY OF WASTE MATERIAL IN A PERMITTED FACILITY IN ACCORDANCE WITH LOCAL, STATE OR PROVINCIAL AND FEDERAL REGULATIONS.
------------------------	---

SECTION 14: TRANSPORT INFORMATION

UN NUMBER.....	1230.
TDG CLASSIFICATION.....	3 (6.1).
PACKING GROUP.....	II.
SPECIAL SHIPPING INSTRUCTIONS.....	REFER TO TRANSPORTATION OF DANGEROUS GOODS REGULATIONS.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION.....	B2,D1A,D2A.
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

Date Preparation July 2023

DISCLAIMER

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