

BEBBINGTON INDUSTRIES SAFETY DATA SHEET

ACETONE

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER	BEBBINGTON INDUSTRIES 44 WRIGHT AVENUE DARTMOUTH, NOVA SCOTIA, CANADA B3B 1G6
PRODUCT NAME	ACETONE
CHEMICAL FORMULA	C3H6O
CHEMICAL FAMILY	KEYTONES
MATERIAL USE	SOLVENT
EMERGENCY NUMBER	CANUTEC 1 613 996 6666

SECTION 02: HAZARDS IDENTIFICATION



SIGNAL WORD.....	DANGER.
HAZARD CLASSIFICATION.....	FLAMMABLE LIQUIDS — CATEGORY 2. SKIN IRRITATION (CATEGORY 3). EYE IRRITATION — CATEGORY 2A. SPECIFIC TARGET ORGAN TOXICITY — SINGLE EXPOSURE — CATEGORY 3.
HAZARD STATEMENT.....	H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR. H316 CAUSES MILD SKIN IRRITATION. H319 CAUSES SERIOUS EYE IRRITATION. H336 MAY CAUSE DROWSINESS OR DIZZINESS.
PRECAUTIONARY STATEMENT.....	P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND OTHER IGNITION SOURCES – NO SMOKING... P233 KEEP CONTAINER TIGHTLY CLOSED. P240 GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/.../ EQUIPMENT. P243 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. P261 AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P264 WASH... THOROUGHLY AFTER HANDLING. P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. 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. P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P332+P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. 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. P403+P235 STORE IN A WELL-VENTILATED PLACE. KEEP COOL. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER ACCORDING TO ALL APPLICABLE REGULATIONS.
OTHER HAZARDS.....	VAPOURS CAN ACCUMULATE IN LOW AREAS.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
ACETONE	67-64-1	<= 100

PRODUCT: ACETONE**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. CONSULT A PHYSICIAN.

IN CASE OF SKIN CONTACT:..... WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.

IN CASE OF EYE CONTACT:..... IRRIGATE EYES FOR AT LEAST 15 MINUTES WITH COPIOUS 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.

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. CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER FOG.

HAZARDOUS COMBUSTION PRODUCTS. CARBON OXIDES.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL NO DATA AVAILABLE.

SPECIAL PROCEDURES:..... EVACUATE HAZARD AREA. WEAR FULL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO KEEP CONTAINERS COOL.

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

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 AWAY FROM INCOMPATIBLE MATERIALS. STORE IN A COOL AND WELL-VENTILATED AREA.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
ACETONE	500 ppm	750 ppm				
ENGINEERING CONTROLS:.....	GOOD VENTILATION SHOULD BE PROVIDED TO KEEP VAPOUR AND MIST CONCENTRATIONS BELOW THE EXPOSURE LIMITS.					
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.					
RESPIRATORY PROTECTION:.....	FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING.					
EYE/FACE PROTECTION:.....	USE NIOSH APPROVED SUPPLIED-AIR RESPIRATOR.					
	SPLASH PROOF CHEMICAL GOGGLES. FACE SHIELD.					

PRODUCT: ACETONE**SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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 LIQUID.

ODOUR..... SWEET PUNGENT.

ODOUR THRESHOLD..... NO DATA AVAILABLE.

PH..... NO DATA AVAILABLE.

MELTING POINT/FREEZING POINT (C)..... -94 C.

BOILING POINT..... 56 C.

FLASH POINT (C), METHOD..... -17 C (CLOSED CUP).

EVAPORATION RATE..... NO DATA AVAILABLE.

FLAMMABILITY (SOLIDS AND GASES)..... FLAMMABLE GASES.

UPPER FLAMMABLE LIMIT (% BY VOL.)... 13 %.

LOWER FLAMMABLE LIMIT (% BY VOL.)... 2% (V).

VAPOUR PRESSURE..... 245.3 hPa @ 20 C.

VAPOUR DENSITY (AIR=1)..... NO DATA AVAILABLE.

SPECIFIC GRAVITY (WATER=1)..... 0.79.

SOLUBILITY IN WATER (% W/W)..... COMPLETELY MISCIBLE.

AUTO IGNITION TEMPERATURE..... 465 C.

PARTITION COEFFICIENT:..... LOG Pow: -0.24 (ACETONE).

N-OCTANOL/WATER

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 :..... BASES, OXIDIZING AGENTS, REDUCING AGENTS, ACETONE REACTS VIOLENTLY WITH PHOSPHORUS OXYCHLORIDE.

HAZARDOUS DECOMPOSITION PRODUCTS..... CARBON OXIDES.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
ACETONE	INHALATION-RAT- 8h- 50100 mg/kg	ORAL-RAT- 5800 MG/KG
ACUTE TOXICITY:		
ORAL LD50.....	SEE ABOVE.	
INHALATION LC50.....	SEE ABOVE.	
DERMAL LD50.....	GUINEA PIG - 7,426 mg/kg.	
SKIN CORROSION / IRRITATION.....	RABBIT - MILD SKIN IRRITATION.	
SERIOUS EYE DAMAGE / EYE IRRITATION.....	RABBIT-EYE IRRITATION -24h.	
RESPIRATORY OR SKIN SENSITIZATION.....	DOES NOT CAUSE SKIN SENSITISATION.	
GERM GELL MUTAGENICITY.....	NO DATA AVAILABLE.	
CARCINOGENICITY.....	THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENT DESIGNATED BY IARC, NTP, ACGIH OR OSHA AS PROBABLE OR SUSPECTED HUMAN CARCINOGENS.	
REPRODUCTIVE TOXICITY.....	NO DATA AVAILABLE.	
STOT- SINGLE EXPOSURE.....	MAY CAUSE DROWSINESS OR DIZZINESS.	
STOT - REPEAT EXPOSURE.....	NO DATA AVAILABLE.	
ASPIRATION HAZARD.....	NO DATA AVAILABLE.	
POTENTIAL HEALTH EFFECTS.....	INHALATION - MAY BE FATAL IF INHALED. MATERIAL IS EXTREMELY DESTRUCTIVE TO THE TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. CAUSES RESPIRATORY TRACT IRRITATION. INGESTION - HARMFUL IF SWALLOWED. EYES- CAUSES EYE IRRITATION. SKIN - MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION.	
SIGNS AND SYMPTOMS OF EXPOSURE..	TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.	

PRODUCT: ACETONE**SECTION 12: ECOLOGICAL INFORMATION**

PERSISTENCE AND DEGRADABILITY..... 91.1 % - READILY BIODEGRADABLE.
BIOACCUMULATIVE POTENTIAL..... DOES NOT BIOACCUMULATE.
TOXICITY..... TOXICITY TO FISH- LC50- ONCORTHYNCHUS MYKISS (RAINBOW TROUT) - 5,540
MG/L - 96H . EC50 - DAPHNIA MAGNA (WATER FLEA) - 8,800 mg/L - 48H .
MOBILITY IN SOIL..... NO DATA AVAILABLE.
OTHER ADVERSE EFFECTS..... NO DATA AVAILABLE.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:
DISPOSAL METHODS..... BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AFTERBURNER AND
SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY
FLAMMABLE. OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A
LICENCED DISPOSAL COMPANY.
PACKAGING:..... DISPOSE OF AS UNUSED PRODUCT.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER..... 1090.
TDG CLASSIFICATION..... 3.
PACKING GROUP..... II.
SPECIAL SHIPPING INSTRUCTIONS..... REFER TO TRANSPORTATION OF DANGEROUS GOOD REGULATIONS.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... B2, D2B.
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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