

SAFETY DATA SHEET

PRODUCT: MAXIMUM PERFORMANCE

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SECTION 01: PRODUCT AND COMPANY INFORMATION

MANUFACTURER/SUPPLIER B.S.C. INC.
 MANUFACTURER'S/SUPPLIERS ADDRESS..... 109 IBER RD., UNIT #3, OTTAWA, ON K2S 0X5 613-744-8896
 PRODUCT NAME MAXIMUM PERFORMANCE
 PRODUCT USE ALL PURPOSE READY TO USE CLEANER
 EMERGENCY PHONE NUMBER..... CANUTEC 1-613-996-6666

SECTION 02: HAZARDS IDENTIFICATION



ROUTE OF ENTRY:
 SKIN CONTACT CAUSES SEVERE BURNS WITH PAIN, SEVERE EXCESS REDNESS AND SWELLING WITH CHEMICAL BURNS, BLISTER FORMATION, AND POSSIBLE TISSUE DESTRUCTION.
 SKIN ABSORPTION N.AV.
 EYE CONTACT..... CONTACT CAN CAUSE SEVERE IRRITATION, BURNS, CORNEAL DAMAGE AND BLINDNESS. WILL DAMAGE TISSUE.
 INHALATION..... CORROSIVE TO RESPIRATORY PASSAGES.VAPOR IS IRRITATING AND MAY CAUSE EXCESSIVE TEAR FORMATION, BURNING SENSATION OF THE NOSE AND THROAT, COUGHING, WHEEZING, SHORTNESS OF BREATH, NAUSEA AND VOMITING. EXTREMELY HIGH VAPOR CONCENTRATIONS MAY CAUSE LUNG DAMAGE. SOME INDIVIDUALS MAY DEVELOP ASTHMA. EXCESSIVE EXPOSURE MAY CAUSE RESPIRATORY IRRITATION AND LIVER AND KIDNEY INJURY.
 INGESTION CAUSES BURNS TO THE MOUTH, THROAT AND STOMACH. MAY CAUSE PAIN, NAUSEA, VOMITING AND DIARRHEA. MODERATELY TOXIC. MAY CAUSE DIZZINESS, WEAKNESS, DROWSINESS, IRREGULAR HEARTBEAT, ABNORMAL SENSATIONS IN ARMS AND LEGS, LISTLESSNESS, CONFUSION, SHOCK, THIRST, COLLAPSE AND POSSIBLE COMA. ASPIRATION INTO THE LUNGS MAY OCCUR DURING INGESTION OR VOMITING, RESULTING IN LUNG INJURY. MAY CAUSE LIVER AND KIDNEY DAMAGE.
 EFFECTS/SYMPTOMS OF ACUTE EXPOSURE SEE ABOVE.
 EFFECTS/SYMPTOMS OF CHRONIC EXPOSURE.... SEE ABOVE.
 MEDICAL CONDITIONS GENERALLY N.AV.
 AGGRAVATED BY EXPOSURE.....

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION

HAZARDOUS INGREDIENTS	C.A.S. #	%	TLV	LD50	LC50
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	1-2	SEE SECTION 11	SEE SECTION 11	SEE SECTION 11
ISOPROPYL ALCOHOL	67-63-0	1-2	ACGIH: 400 PPM STEL; 200 PPM TWA. OSHA: 400 PPM TWA; 980 MG/M3 TWA; 1225 MG/M3 STEL; 500 PPM STEL. IDLH: 2000 PPM.	12800 MG/KG (DERMAL, RABBIT) 3600 MG/KG (ORAL, MOUSE)	12000 PPM/8H (IHL, RAT)

SECTION 04: FIRST AID MEASURES

SKIN CONTACT IMMEDIATELY REMOVE CONTAMINATED CLOTHES AND SHOES. FLUSH CONTAMINATED AREA WITH LUKEWARM, GENTLY FLOWING WATER FOR AT LEAST 60 MINUTES. CONTINUE FLUSHING WHILE

EYE CONTACT.....	TRANSPORTING TO EMERGENCY MEDICAL FACILITY. OBTAIN MEDICAL ATTENTION IMMEDIATELY. FLUSH EYES WITH GENTLY FLOWING WATER FOR 20-60 MINUTES, WHILE HOLDING THE EYELID(S) OPEN. TAKE CARE NOT TO RINSE THE CONTAMINATED WATER INTO THE UNAFFECTED EYE OR FACE. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION.....	REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL ATTENTION.
INGESTION	IF PATIENT IS FULLY CONSCIOUS, GIVE TWO GLASSES OF WATER. SEEK IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. IF THE HEART HAS STOPPED, TRAINED PERSONNEL SHOULD BEGIN CARDIOPULMONARY RESUSCITATION (CPR) IMMEDIATELY.
NOTES TO PHYSICIAN.....	NO SPECIFIC ANTIDOTE. TREATMENT BASED ON SOUND JUDGMENT OF PHYSICIAN AND INDIVIDUAL REACTIONS OF PATIENT. MAY CAUSE TISSUE DESTRUCTION LEADING TO STRICTURE. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL AND/OR ESOPHAGEAL CONTROL. EXPOSED PERSON SHOULD BE OBSERVED FOR 24 - 48 HOURS FOR DELAYED ONSET OF PULMONARY EDEMA.

SECTION 05: FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY	NON-FLAMMABLE.
MEANS OF EXTINCTION/EXTINGUISHING MEDIA: ..	USE DRY CHEMICALS, CO2, ALCOHOL FOAM OR WATER SPRAY.
FLASH POINT.....	>110 (C)
UPPER FLAMMABLE LIMIT (% BY VOLUME).....	N.AV.
LOWER FLAMMABLE LIMIT (% BY VOLUME).....	N.AV.
AUTO-IGNITION TEMPERATURE	N.AV.
SPECIAL FIRE FIGHTING PROCEDURES.....	FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING, INCLUDING SELF-CONTAINED BREATHING EQUIPMENT. ISOLATE AND RESTRICT AREA ACCESS. FIGHT FIRE FROM A SAFE DISTANCE AND FROM A PROTECTED LOCATION. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND STRUCTURES. DO NOT USE A SOLID STREAM OF WATER. VIOLENT STEAM GENERATION OR ERUPTION MAY OCCUR UPON APPLICATION OF DIRECT WATER STREAM TO HOT LIQUIDS. SPILLS OF THESE ORGANIC LIQUIDS ON HOT FIBROUS INSULATIONS MAY LEAD TO LOWERING OF THE AUTOIGNITION TEMPERATURES POSSIBLY RESULTING IN SPONTANEOUS COMBUSTION.
UNUSUAL FIRE AND EXPLOSION HAZARDS.....	CONTAINS PRODUCT THAT MAY PRODUCE A FLOATING FIRE HAZARD IN EXTREME FIRE CONDITIONS AND CAN PRODUCE FLAMMABLE VAPOURS WHICH MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.
EXPLOSION DATA.....	N.AV.
SENSITIVITY TO MECHANICAL IMPACT	N.AV.
SENSITIVITY TO STATIC DISCHARGE	N.AV.
HAZARDOUS COMBUSTION PRODUCTS	CARBON MONOXIDE. CARBON DIOXIDE. OXIDES OF NITROGEN. HYDROGEN CYANIDE. FORMALDEHYDE. AMMONIA. OXIDES OF SODIUM. THE SMOKE MAY CONTAIN UNIDENTIFIED TOXIC AND/OR IRRITATING COMPOUNDS.

SECTION 06: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES	ISOLATE AREA. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING THE AREA. WEAR APPROPRIATE PROTECTIVE EQUIPMENT. DO NOT TOUCH SPILLED MATERIAL. PREVENT ENTRY INTO SEWERS OR STREAMS, DIKE IF NEEDED. CONSULT LOCAL AUTHORITIES. VENTILATE AREA. ISOLATE HAZARD AREA AND RESTRICT ACCESS. STOP LEAK ONLY IF SAFE TO DO SO. REMOVE IGNITION SOURCES AND WORK WITH NON-SPARKING
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TOOLS. SMALL SPILLS: SOAK UP WITH ABSORBENT MATERIAL AND SCOOP INTO CONTAINERS. LARGE SPILLS: PREVENT CONTAMINATION OF WATERWAYS. DIKE AND PUMP INTO SUITABLE CONTAINERS. CLEAN UP RESIDUAL WITH ABSORBENT MATERIAL, PLACE IN APPROPRIATE CONTAINER AND FLUSH WITH WATER. DO NOT USE SAWDUST, WOOD CHIPS OR OTHER CELLULOSIC MATERIALS TO ABSORB THE SPILL. SPILLED MATERIAL MAY CAUSE FLOORS AND CONTACT SURFACES TO BECOME SLIPPERY.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT.....	FOR INDUSTRIAL USE ONLY. HANDLE AND OPEN CONTAINERS WITH CARE. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT INGEST. AVOID INHALATION OF CHEMICAL. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT, OR OTHER SOURCES OF IGNITION. FIXED EQUIPMENT AS WELL AS TRANSFER CONTAINERS AND EQUIPMENT SHOULD BE GROUNDED TO PREVENT ACCUMULATION OF STATIC CHARGE. DO NOT PRESSURIZE, CUT, HEAT, OR WELD CONTAINERS. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS PRODUCT RESIDUES. KEEP THE CONTAINERS CLOSED WHEN NOT IN USE. PROTECT AGAINST PHYSICAL DAMAGE. USE APPROPRIATE PERSONNEL PROTECTIVE EQUIPMENT. DO NOT USE SODIUM NITRITE OR OTHER NITROSATING AGENTS IN FORMULATIONS CONTAINING THIS PRODUCT. SUSPECTED CANCER-CAUSING NITROSAMINES COULD BE FORMED. SPILLS OF THESE ORGANIC LIQUIDS ON HOT FIBROUS INSULATIONS MAY LEAD TO LOWERING OF THE AUTOIGNITION TEMPERATURE POSSIBLY RESULTING IN SPONTANEOUS COMBUSTION.
STORAGE REQUIREMENTS.....	STORE IN A COOL, DRY, WELL-VENTILATED AREA, AWAY FROM HEAT AND IGNITION SOURCES. PLACE AWAY FROM INCOMPATIBLE MATERIALS. SEPARATE FROM ACIDS, PEROXIDES, METALS, EASILY IGNITABLE MATERIALS. STORE IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICES. DO NOT STORE IN ALUMINUM, COPPER, COPPER ALLOYS AND GALVANIZED CONTAINERS.

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROL.....	PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES. VENTILATION FACILITIES SHOULD BE CORROSION RESISTANT.
PERSONAL PROTECTIVE EQUIPMENT SKIN PROTECTION	APPROPRIATE CHEMICAL RESISTANT GLOVES SHOULD BE WORN. BUTYL RUBBER GLOVES. NEOPRENE GLOVES. NITRILE GLOVES. VITON GLOVES. SKIN CONTACT SHOULD BE PREVENTED THROUGH THE USE OF SUITABLE PROTECTIVE CLOTHING, GLOVES AND FOOTWEAR, SELECTED FOR CONDITIONS OF USE AND EXPOSURE POTENTIAL. CONSIDERATION MUST BE GIVEN BOTH TO DURABILITY AS WELL AS PERMEATION RESISTANCE. (PREFERABLY MADE OF RUBBER, NEOPRENE OR NBR).
EYE/FACE PROTECTION.....	CHEMICAL GOGGLES; ALSO WEAR A FACE SHIELD IF SPLASHING HAZARD EXISTS.
RESPIRATORY PROTECTION	IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS, USE AN APPROPRIATE NIOSH APPROVED RESPIRATOR. IN CASE OF SPILL OR LEAK RESULTING IN UNKNOWN CONCENTRATION, USE A NIOSH APPROVED SUPPLIED AIR RESPIRATOR.
WORK/HYGIENE PRACTICES	ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE PROXIMAL TO THE WORK-STATION LOCATION.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	LIQUID
APPEARANCE & ODOUR.....	GREEN COLOUR/ LEMON ODOUR
ODOUR THRESHOLD.....	N.AV.
SPECIFIC GRAVITY.....	~ 1.034
VAPOUR PRESSURE (MMHG).....	N.AV.

VAPOUR DENSITY (AIR=1)	N.AV.
EVAPORATION RATE	N.AV.
BOILING POINT	100°C
FREEZING/MELTING POINT	0°C
PH	7
SOLUBILITY IN WATER (% W/W)	SOLUBLE.
COEFFICIENT OF WATER/OIL DISTRIBUTION	N.AV.

SECTION 10: STABILITY AND REACTIVITY

STABILITY	STABLE UNDER NORMAL OPERATING CONDITIONS.
CONDITIONS TO AVOID	AVOID EXCESSIVE HEAT, OPEN FLAMES AND ALL IGNITION SOURCES. PRODUCT CAN OXIDIZE AT ELEVATED TEMPERATURES. AVOID CONTACT WITH METALS SUCH AS: ZINC, MAGNESIUM, ALUMINUM AND GALVANIZED METALS. DO NOT DISTILL TO DRYNESS. GENERATION OF GAS DURING DECOMPOSITION CAN CAUSE PRESSURE IN CLOSED SYSTEMS.
INCOMPATIBILITY (MATERIALS TO AVOID)	AVOID CONTACT WITH METALS SUCH AS ALUMINUM, BRASS, COPPER. FLAMMABLE HYDROGEN MAY BE GENERATED FROM CONTACT WITH METALS SUCH AS ALUMINUM. AVOID CONTACT WITH NITRITES, STRONG ACIDS, HALOGENATED HYDROCARBONS. COMMON METALS AND THEIR ALLOYS. ACIDS. ACID ANHYDRIDES. OXIDIZABLE MATERIAL.
HAZARDOUS DECOMPOSITION PRODUCT	SEE HAZARDOUS COMBUSTION PRODUCTS.
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMITS	ETHYLENE GLYCOL MONOBUTYL ETHER: ACGIH - 20 PPM (97 MG/M3) TLVTWA. OSHA - 50 PPM (240 MG/M3), SKIN, PEL-TWA. IMMEDIATELY DANGEROUS TO LIFE OR HEALTH – IDLH: 700 PPM.
LD50	ETHYLENE GLYCOL MONOBUTYL ETHER: ORAL LD50 (MOUSE) 1167 MG/KG; ORAL LD50 (MOUSE) 1230 MG/KG; ORAL LD50 (RAT) 400 ; MG/KG; ORAL LD50 (RAT) 470 MG/KG; ORAL LD50 (RAT) 530 MG/KG; ORAL LD50 (RAT) 917 MG/KG; ORAL LD50 (RABBIT) 320 MG/KG; ORAL LD50 (GUINEA PIG) 1200 MG/KG; DERMAL LD50 (RABBIT) 220 MG/KG; DERMAL LD50 (RABBIT) 99 MG/KG.
LC50	ETHYLENE GLYCOL MONOBUTYL ETHER: INHALATION LC50 (RAT) 450 PPM/4H; INHALATION LC50 (MOUSE) 700 PPM/7H; INHALATION LC50 (MOUSE) 3380 MG/M3/7H; INHALATION LC50 (RAT) 2900 MG/M3/7H.
IRRITANCY OF MATERIAL	SEE SECTION 3.
SENSITIZATION TO PRODUCT	N.AV.
CARCINOGENICITY	ETHYLENE GLYCOL MONOBUTYL ETHER: IARC - GROUP 3 CARCINOGEN. ACGIH: A3 - CONFIRMED ANIMAL CARCINOGEN WITH UNKNOWN RELEVANCE TO HUMANS.
REPRODUCTIVE TOXICITY	N.AV.
TERATOGENICITY	N.AV.
MUTAGENICITY	N.AV.
TOXICOLOGICAL SYNERGISTIC PRODUCTS	N.AV.
CHRONIC TOXICITY	N.AV.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	N.AV.
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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.
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SECTION 14: TRANSPORT INFORMATION

PROPER SHIPPING NAME..... NOT REGULATED
TDG CLASSIFICATION N.A.V.
UN NUMBER N.A.V.
PACKING GROUP N.A.V.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION D2B
CPR COMPLIANCE THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION PREPARED BY: REGULATORY AFFAIRS, TELEPHONE - (613)-744-8896
PREPARATION DATE: JULY 1, 2016

N.A.V. = NOT AVAILABLE
N.A.P. = NOT APPLICABLE