

**SAFETY DATA SHEET**

**PRODUCT: WHIZZ**

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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 .....	WHIZZ
PRODUCT USE .....	TOILET BOWL CLEANER – NON ACID
EMERGENCY PHONE NUMBER.....	CANUTEC 1-613-996-6666

**SECTION 02: HAZARDS IDENTIFICATION**



ROUTE OF ENTRY:	
SKIN CONTACT .....	MAY CAUSE ITCHY RED RASH
SKIN ABSORPTION .....	N.AV.
EYE CONTACT.....	BURNING PAIN
INHALATION.....	N.AV.
INGESTION .....	NAUSEA, VOMITTING, PAIN IN MOUTH AND THROAT
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	111-76-2	1 – 5	SEE SECTION 11	SEE SECTION 11	SEE SECTION 11
MONOBUTYL ETHER					

**SECTION 04: FIRST AID MEASURES**

SKIN CONTACT .....	IMMEDIATELY REMOVE CONTAMINATED CLOTHES AND SHOES. FLUSH CONTAMINATED AREA WITH LUKEWARM, GENTLY FLOWING WATER FOR AT LEAST 20 MINUTES.
EYE CONTACT.....	FLUSH EYES WITH GENTLY FLOWING WATER FOR 20 MINUTES, WHILE HOLDING THE EYELID(S) OPEN. TAKE CARE NOT TO RINSE THE CONTAMINATED WATER INTO THE UNAFFECTED EYE OR FACE.
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.
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 .....	NO
MEANS OF EXTINCTION/EXTINGUISHING MEDIA: ..	N.AV.
FLASH POINT.....	N.AV.
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..... N.AV.  
 EXPLOSION DATA..... N.AV.  
 SENSITIVITY TO MECHANICAL IMPACT ..... N.AV.  
 SENSITIVITY TO STATIC DISCHARGE ..... N.AV.  
 HAZARDOUS COMBUSTION PRODUCTS ..... NONE

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES ..... NONE

**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 ..... RUBBER OR NEOPRENE GLOVES

EYE/FACE PROTECTION ..... SPLASH GOGGLES

RESPIRATORY PROTECTION ..... NONE REQUIRED

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..... BLUE COLOUR – POT-POURRI ODOUR

ODOUR THRESHOLD..... N.AV.

SPECIFIC GRAVITY ..... N.AV.

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.....	11
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) TLV-TWA. 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 2.
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.AP.  
UN NUMBER ..... N.AP.  
PACKING GROUP ..... N.AP.

**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