

**SAFETY DATA SHEET**

**PRODUCT: WINDSHIELD WASHER**

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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 .....	WINDSHIELD WASHER
PRODUCT USE .....	WINDSHIELD WASHER FLUID
EMERGENCY PHONE NUMBER.....	CANUTEC 1-613-996-6666

**SECTION 02: HAZARDS IDENTIFICATION**



ROUTE OF ENTRY:	
SKIN CONTACT .....	MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING OR IRRITATION.
SKIN ABSORPTION .....	N.AV.
EYE CONTACT.....	CAUSES EYE IRRITATION. SYMPTOMS OF EXPOSURE MAY INCLUDE: A BURNING SENSATION, REDNESS, SWELLING AND BLURRED VISION.
INHALATION.....	HEADACHE, NAUSEA, VOMITING, DIZZINESS, DROWSINESS AND LOSS OF CONSCIOUSNESS MAY OCCUR. HIGH AIRBORN CONCENTRATIONS CAN ALSO IRRITATE MUCOUS MEMBRANES.
INGESTION .....	ALTHOUGH INGESTION IS UNLIKELY, LIQUID WOULD IRRITATE UPPER DIGESTIVE TRACT IF SWALLOWED. INGESTION OF THIS PRODUCT WOULD CAUSE HEADACHE, DIZZINESS, FATIGUE AND CENTRAL NERVOUS SYSTEM DEPRESSION. EVEN SMALL AMOUNTS INGESTED COULD RESULT IN BLINDNESS.
EFFECTS/SYMPTOMS OF ACUTE EXPOSURE .....	SEE ABOVE.
EFFECTS/SYMPTOMS OF CHRONIC EXPOSURE....	SEE ABOVE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE.....	N.AV.

**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION**

HAZARDOUS INGREDIENTS	C.A.S. #	%	TLV	LD50	LC50
METHANOL	67-56-1	40 – 60	SEE SECTION 11	SEE SECTION 11	SEE SECTION 11

**SECTION 04: FIRST AID MEASURES**

SKIN CONTACT .....	IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE.
EYE CONTACT.....	IN CASE OF CONTACT, OR SUSPECTED CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IMMEDIATELY AFTER FLUSHING.
INHALATION.....	REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL ATTENTION.
INGESTION .....	DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS.
NOTES TO PHYSICIAN.....	TREATMENT BASED ON SOUND JUDGMENT OF PHYSICIAN AND INDIVIDUAL REACTIONS OF PATIENT.

**SECTION 05: FIRE FIGHTING MEASURES**

CONDITIONS OF FLAMMABILITY .....	FLAMMABLE.
MEANS OF EXTINCTION/EXTINGUISHING MEDIA: ..	CARBON DIOXIDE. DRY CHEMICAL.
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.
UNUSUAL FIRE AND EXPLOSION HAZARDS.....	METHANOL BURNS WITH A CLEAN CLEAR FLAMES THAT IS ALMOST INVISIBLE IN DAYLIGHT. VAPOURS 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 .....	TOXIC GASES AND VAPOURS; OXIDES OF CARBON AND FORMALDEHYDE

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES .....	<p>FLAMMABLE LIQUID                  RELEASE CAN CAUSE AN IMMEDIATE FIRE/EXPLOSION HAZARD. ELIMINATE ALL IGNITION SOURCES, STOP LEAK AND USE NON-COMBUSTIBLE ABSORBENT MATERIALS. IF NECESSARY, CONTAIN SPILL BY DIKING. FLUOROCARBON ALCOHOL RESISTANT FOAMS MAY BE APPLIED TO SPILL TO DIMINISH VAPOUR AND FIRE HAZARD. MAXIMIZE METHANOL RECOVERY FOR RECYCLING OR REUSE. COLLECT LIQUID WITH EXPLOSION PROOF PUMPS. FOR SMALL SPILLS, COLLECT WITH A NON-COMBUSTIBLE ABSORBENT MATERIAL. RECOVER METHANOL OR DILUTE WITH WATER TO REDUCE FIRE HAZARD. PREVENT SPILLED METHANOL FROM ENTERING SEWERS, CONFINED SPACES, DRAINS, OR WATERWAYS. RESTRICT ACCESS TO UNPROTECTED PERSONNEL. FULL-FACE, POSITIVE PRESSURE SELF- CONTAINED BREATHING APPARATUS OR AIRLINE AND PROTECTIVE CLOTHING MUST BE WORN. PROTECTIVE FIRE FIGHTING STRUCTURAL CLOTHING IS NOT EFFECTIVE PROTECTION FROM METHANOL. DO NOT WALK THROUGH SPILLED PRODUCT AS IT MAY BE ON FIRE AND NOT VISIBLE.</p>
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**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES AND EQUIPMENT.....	<p>KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. AVOID BREATHING VAPOURS. AVOID EYE AND SKIN CONTACT. DO NOT INGEST. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. NO SMOKING OR OPEN FLAME IN STORAGE, USE OR HANDLING. USE EXPLOSION PROOF ELECTRICAL QUIPMENT. ENSURE PROPER ELECTRICAL GROUNDING PROCEDURES ARE IN PLACE. EQUIPMENT MUST BE GROUNDED. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS ARE HAZARDOUS, MAY CONTAIN FLAMMABLE/EXPLOSIVE DUSTS, LIQUID RESIDUE OR VAPOURS. FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.</p>
STORAGE REQUIREMENTS.....	<p>STORE IN A COOL, DRY, WELL VENTILATED AREA, AWAY FROM HEAT AND IGNITION SOURCES. USE EXPLOSION-PROOF VENTILATION TO PREVENT VAPOUR ACCUMULATION. CAN ATTACK ALUMINUM AT ELEVATED TEMPERATURE. STORE AT AMBIENT TEMPERATURE. KEEP AWAY FROM AEROSOLS, FLAMMABLES, OXIDIZING AGENTS AND CORROSIVES. PLACE AWAY FROM INCOMPATIBLE MATERIALS.</p>

**SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

ENGINEERING CONTROL.....	<p>FOR PERSONNEL ENTRY INTO CONFINED SPACES (I.E. BULK STORAGE TANKS) A PROPER CONFINED SPACE ENTRY PROCEDURE MUST BE FOLLOWED INCLUDING VENTILATION AND TESTING OF TANK ATMOSPHERE. LOCAL VENTILATION RECOMMENDED WHERE MECHANICAL VENTILATION IS INEFFECTIVE IN CONTROLLING AIRBORNE CONCENTRATIONS BELOW THE RECOMMENDED OCCUPATIONAL EXPOSURE LIMIT. CONCENTRATIONS IN AIR SHOULD</p>
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BE MAINTAINED BELOW LOWER EXPLOSIVE LIMIT AT ALL TIMES OR BELOW THE RECOMMENDED THRESHOLD LIMIT VALUE IF UNPROTECTED PERSONNEL ARE INVOLVED. MAKE UP AIR SHOULD ALWAYS BE SUPPLIED TO BALANCE AIR EXHAUSTED (EITHER GENERALLY OR LOCALLY). ELECTRICAL AND MECHANICAL EQUIPMENT SHOULD BE EXPLOSION PROOF. MECHANICAL VENTILATION IS RECOMMENDED FOR ALL INDOOR SITUATIONS TO CONTROL FUGITIVE EMISSIONS.

**PERSONAL PROTECTIVE EQUIPMENT**

SKIN PROTECTION .....

NATURAL RUBBER GLOVES. BUTYL RUBBER GLOVES. NEOPRENE 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.

EYE/FACE PROTECTION .....

CHEMICAL GOGGLES; ALSO WEAR A FACE SHIELD IF SPLASHING HAZARD EXISTS.

RESPIRATORY PROTECTION .....

NIOSH APPROVED SUPPLIED AIR RESPIRATOR WHEN AIRBORNE CONCENTRATIONS EXCEED EXPOSURE LIMITS. USE A NIOSH-APPROVED CHEMICAL CARTRIDGE RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGES OR USE A NIOSH-APPROVED SUPPLIED AIR RESPIRATOR. FOR HIGH AIRBOURNE CONCENTRATIONS, USE A NIOSH -APPROVED SUPPLIED-AIR RESPIRATOR, EITHER SELF-CONTAINED OR AIRLINE BREATHING APPARATUS, OPERATED IN POSITIVE PRESSURE MODE.

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 – ALCOHOL ODOUR

ODOUR THRESHOLD .....

N.A.V.

SPECIFIC GRAVITY .....

N.A.V.

VAPOUR PRESSURE (MMHG).....

N.A.V.

VAPOUR DENSITY (AIR=1) .....

N.A.V.

EVAPORATION RATE .....

N.A.V.

BOILING POINT .....

N.A.V.

FREEZING/MELTING POINT .....

N.A.V.

PH .....

N.A.V.

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

SOLUBLE.

COEFFICIENT OF WATER/OIL DISTRIBUTION .....

N.A.V.

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY .....

STABLE UNDER NORMAL OPERATING CONDITIONS.

CONDITIONS TO AVOID .....

AVOID ANY SOURCE OF IGNITION.

INCOMPATIBILITY (MATERIALS TO AVOID).....

STRONG ACIDS. MAY BE CORROSIVE TO LEAD AND ALUMINIUM. STRONG OXIDIZERS. STRONG BASES.

HAZARDOUS DECOMPOSITION PRODUCT .....

SEE SECTION 5.

HAZARDOUS POLYMERIZATION .....

WILL NOT OCCUR.

**SECTION 11: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMITS.....

ACGIH TLV – TWA 200 PPM, STEL 250 PPM – SKIN NOTATION: OSHA PEL 200 PPM, STEL 250 PPM – SKIN NOTATION

LC50.....

64000 PPM (INHALATION RAT)

LD50.....

5.6 – 12.0 G/KG (ORAL-RAT); 20 ML/KG (DERMAL-RABBIT)

IRRITANCY OF MATERIAL .....

SEE SECTION 3. 1000 PPM IN AIR MAY CAUSE IRRITATION OF MUCOUS MEMBRANE

SENSITIZATION TO PRODUCT .....

N.A.V.

CARCINOGENICITY .....

NOT LISTED WITH IARC, NTP, ACGIH OR OSHA AS A CARCINOGEN

REPRODUCTIVE TOXICITY .....

REPORTED TO CAUSE BIRTH DEFECTS IN RATS EXPOSED TO 20,000 PPM.

TERATOGENICITY .....

NO

MUTAGENICITY .....

NO

TOXICOLOGICAL SYNERGISTIC PRODUCTS..... N.AV.  
CHRONIC TOXICITY..... N.AV.

**SECTION 12: ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION ..... BIODEGRADES EASILY IN WATER. METHANOL IN FRESH OR SALT WATER MAY HAVE SERIOUS EFFECTS ON AQUATIC LIFE. A STUDY ON METHANOL'S TOXIC EFFECTS ON SEWAGE SLUDGE BACTERIA REPORTED LITTLE EFFECT ON DIGESTION AT 0.1% WHILE 0.5% METHANOL RETARDED DIGESTION. METHANOL WILL BE BROKEN DOWN TO CARBON DIOXIDE AND WATER.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.

**SECTION 14: TRANSPORT INFORMATION**

PROPER SHIPPING NAME..... FLAMMABLE LIQUIDS, N.O.S. (METHANOL)  
TDG CLASSIFICATION ..... 3  
UN NUMBER ..... 1993  
PACKING GROUP ..... II

**SECTION 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION ..... B2, D2B, D1A, D2A  
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.AV. = NOT AVAILABLE  
N.AP. = NOT APPLICABLE