

MSDS DATA SHEET

Created on 10/07/2003

Part Number: 9985129

XX

CHEMISTRI 10/07/03

DISPLAY MATERIAL SAFETY DATA SHEET 13:25:30

SCREEN QA06__ KEY 0000939951,0000000018_____

FID#: 00313345 VER-DT: 09/28/94

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: WINDSHIELD WASHER 50%

SAFE USE CATEGORY AND DESCRIPTION: 02 -SOLVENTS - FLASH POINT: < 100 F

LAST UPDATED DATE: 2000-01-04

MANUFACTURER'S ID (MID): 000530193
MANUFACTURER'S NAME: CHEMCENTRAL/DETROIT
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 734-941-4800
US 800-424-9300 CHEMTREC PHON
MANUFACTURER'S MAILING ADDRESS:
13395 HURON RIVER DRIVE
DYES & PIGMENTS OR CHEMICAL DIVS
US

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000067561	= 44.0000/ 0.0000%	W	METHANOL
007732185	B 0.0000/ 0.0000%	W	WATER
989901559	T 0.0000/ 0.0000%	W	BLUE DYE

SECTION 2 - OTHER INFORMATION: MSDS DATED 9/28/94 IS THE MOST CURRENT AVAILABLE AS OF 1/4/00, PER MANUFACTURER

THRESHOLD LIMIT VALUE: TLV'S FOR METHANOL 67561 200 PPM(S), STEL 250 PPM, LOWEST KNOWN LETHAL DOSE DATA, LOWEST KNOWN LD50 (ORAL), 1000.0 MG/KG (MAN), LOWEST KNOWN LC50 (VAPORS), -1536 PPM (RATS), LOWEST KNOWN

PERMISSIBLE EXPOSURE LIMIT: PEL'S FOR METHANOL 67561 200 PPM(S), MATERIAL LOWEST KNOWN LETHAL DOSE DATA, MATERIAL LOWEST KNOWN LD50 (ORAL), 1000.0 MG/KG (MAN), LOWEST KNOWN LC50 (VAPORS), -1536 PPM (RATS), LOWEST KNOWN LD50 (SKIN), 20000.0 MG/KG (RABBITS), STEL 250 PPM.

SECTION 03: HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - SKIN ACUTE: PRIMARY IRRITATION TO SKIN, DEFATTING, DERMATITIS. WASH THOROUGHLY AFTER HANDLING.
EFFECTS OF OVEREXPOSURE - EYE ACUTE: PRIMARY IRRITATION TO EYES, REDNESS, TEARING, BLURRED VISION. LIQUID CAN CAUSE EYE IRRITATION. WAS THOROUGHLY AFTER HANDLING.
EFFECTS OF OVEREXPOSURE - INHALATION ACUTE: ANESTHETIC. IRRITATES DEPRESSION. VAPOR HARMFUL. BREATHING VAPOR CAN CAUSE IRRITATION. ACUTE OVEREXPOSURE CAN CAUSE DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER & LUNGS. REPEATED EXPOSURE OVER TLV CAN CAUSE BLINDNESS.
EFFECTS OF OVEREXPOSURE - INGESTION ACUTE: CAN BE FATAL OR CAUSE

BLINDNESS IF SWALLOWED. CANNOT BE MADE NON-POISONOUS. POISON ! CAN CAUSE IRREVERSIBLE NERVOUS SYSTEM DAMAGE & DEATH. HARMFUL OR FATAL IF SWALLOWED. SWALLOWING CAN CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: IN CASE OF CONTACT WITH SKIN IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH THOROUGHLY WITH SOAP S WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. (DISCARD CONTAMINATED SHOES.)

WATER FOR 15 MINUTES & GET MEDICAL ATTENTION.

EMERGENCY FIRST AID PROCEDURES - INHALATION: AFTER HIGH VAPOR EXPOSURE, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN IMMEDIATELY!

EMERGENCY FIRST AID PROCEDURES - INGESTION: INDUCE VOMITING PROMPTLY USING PHYSICIAN'S INSTRUCTIONS OR BY HAVING PATIENT STICK FINGER DOWN THROAT. AFTER VOMITING HAS BEEN INDUCED, GIVE TWO TEASPOONFUL OF BAKING SODA IN A GLASS OF WATER CALL A PHYSICIAN- NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. HAVE PATIENT LIE DOWN & KEEP WARM. COVER EYES TO EXCLUDE LIGHT.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: = 7.30

EXTINGUISHING MEDIA: NFPA CLASS B EXTINGUISHERS(CARBON DIOXIDE OR FOAM)FOR CLASS I B LIQUID FIRES.

SPECIAL FIRE FIGHTING PROCEDURES: WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT CAN PROTECT FIRE-FIGHTERS & COOL CLOSED CONTAINERS. USE FOG NOZZLES IF WATER IS USED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR. (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES & RUBBER BOOTS). USE NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLAMMABLE!! // KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT & OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. APPLYING TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. EMPTY CONTAINER VERY HAZARDOUS! CONTINUE ALL LABEL PRECAUTIONS!

HMS CODES:

HMS HEALTH CODE =	2
HMS FLAMMABILITY CODE =	3
NFPA CODES:	
NFPA FLAMMABILITY CODE =	3
NFPA HEALTH CODE =	1
NFPA REACTIVITY CODE =	0

FLASH POINT TEMPS: = 11.00C/ 52.00F

FLASH POINT TEXT: (LOWEST COMPONENT)

FLASH POINT METHOD: TCC

SECTION 5 - OTHER INFORMATION: FLAMMABILITY CLASSIFICATION: CLASS I B

SECTION 06: ACCIDENTAL RELEASE MEASURES

CLEAN UP REMAINDER WITH ABSORBENT MATERIALS. MOP UP & DISPOSE OF. PERSONS WITHOUT PROPER PROTECTION SHOULD BE KEPT FROM AREA UNTIL

CLEANED UP.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT & OPEN FLAME. USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING OF VAPOR OR SPRAY MIST. AVOID CONTACT WITH SKIN & EYES. WEAR OSHA STANDARD GOGGLES OR FACE SHIELD. CONSULT SAFETY EQUIPMENT SUPPLIER. WEAR GLOVES, APRON & FOOTWEAR IMPERVIOUS TO THIS MATERIAL. WASH CLOTHING BEFORE REUSE. AVOID FREE FALL OF LIQUID, GROUND CONTAINERS WHEN TRANSFERRING. DO NOT FLAME CUT, SAW, DRILL, BRAZE, OR WELD. EMPTY CONTAINER VERY HAZARDOUS! CONTINUE ALL LABEL PRECAUTIONS! // STORAGE: DO NOT STORE ABOVE 49 C/120 F. STORE CONTAINER TIGHTLY CLOSED & UPRIGHT WHEN NOT IN USE TO PREVENT LEAKAGE.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

VENTILATION: OTHER: NONE.

PERSONAL PROTECTIVE EQUIPMENT: WEAR OSHA STANDARD GOGGLES OR FACE SHIELD. CONSULT SAFETY EQUIPMENT SUPPLIER. WEAR GLOVES, APRON & FOOTWEAR IMPERVIOUS TO THIS MATERIAL. WASH CLOTHING BEFORE REUSE.

ENGINEERING CONTROLS: VENTILATE TO KEEP VAPORS OF THIS MATERIAL BELOW 100 PPM. IF OVER TLV, IN ACCORDANCE WITH 29 CFR 1910.134, USE NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS. CONSULT SAFETY EQUIPMENT SUPPLIER. USE EXPLOSION-PROOF EQUIPMENT.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

THEORETICAL VOC WITHOUT WATER: VOC'S (VAPOR PRESSURE)>0.44 LBS/SQ IN)(LBS/GAL): 3.299 // TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC) (G/L): 396.0 // NONEXEMPT VOLATILE ORGANIC COMPOUNDS (CVOC) (G/L): 396.0. // NONEXEMPT VOLATILE ORGANIC COMPOUNDS (CVOC) (VOL. %): 50.0. // NONEXEMPT VOC PARTIAL PRESSURE (MM OF HG @ 20 C): 42.9

BOILING POINT TEXT: BOILING RANGE: 63 83 100 C / 147 183 212 F

SPECIFIC GRAVITY VALUES: = 0.8960

VAPOR DENSITY VALUES: = 0.8000

VAPOR PRESSURE VALUES/UOM: = 52.7000MMHG

PERCENT VOLATILE BY VOLUME: = 100.0000

APPEARANCE: LIQUID, BLUE.

ODOR: ALCOHOL

SECTION 9 - OTHER INFORMATION: GRAVITY @ 60 F API: 26.4 // POUNDS/GALLON: 7.464 // WATER ABSORPTION: COMPLETE // SOLVENCY PARAMETERS: HKB (HYDROGEN BONDING) 74.0; PKB (POLARITY): 14.3; DKB (DISPERSION): 11.8 // REFRACTIVE INDEX: 1.331

SECTION 10: STABILITY & REACTIVITY

STABILITY - CONDITIONS TO AVOID: ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT & OPEN FLAME.

STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: ISOLATE FROM STRONG OXIDIZERS SUCH AS
PERMANGANATES, CHROMATES & PEROXIDES.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE FROM
BURNING.

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

SUBCHRONIC EFFECTS: SUBCHRONIC HAZARDS: CHRONIC OVEREXPOSURE CAN CAUSE
DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER & LUNGS. PERSONS WITH SEVERE
SKIN, LIVER OR KIDNEY PROBLEMS SHOULD AVOID USE.

CHRONIC EFFECTS: CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS THIS
AS OF THIS DATE, GREATER OR EQUAL TO 0.1%. ABSORPTION THRU SKIN MAY BE
HARMFUL. STUDIES WITH LABORATORY ANIMALS INDICATE THIS PRODUCT CAN
CAUSE DAMAGE TO FETUS.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: RECYCLE OR DISPOSE OF OBSERVING LOCAL, STATE &
FEDERAL HEALTH, SAFETY & POLLUTION LAWS. IF QUESTIONS EXIST, CONTACT
THE APPROPRIATE AGENCIES.

SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME: METHANOL SOLUTION, 3,UNI230,PG-II.

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: THIS MSDS COMPLIES WITH 29 CFR
1910.1200 (HAZARD COMMUNICATION STANDARD) IMPORTANT: READ THIS MSDS
BEFORE HANDLING & DISPOSING OF THIS PRODUCT. // SARA TITLE III SECTION
313 SUPPLIER NOTIFICATION: THIS PRODUCT CONTAINS THE INDICATED <*>
TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF
THE EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW ACT OF 1986 & OF 40
CFR 372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDSS THAT ARE COPIED
AND DISTRIBUTED FOR THIS MATERIAL. THE CHEMICAL IS METHANOL. // SARA
SECTION 311/312 HAZARDS: ACUTE HEALTH, FIRE. // THIS PRODUCT MEETS
REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR
REGULATIONS. // CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS NO
KNOWN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR
REPRODUCTIVE TOXICITY.

SECTION 16: OTHER INFORMATION

LABEL INFORMATION: DRUM LABEL: (FLAMMABLE LIQUID). // THRESHOLD LIMIT
VALUE: 200 PPM (FRESHLY PREPARED) CONTAINS: METHANOL; WARNING!
FLAMMABLE!! POISON!!

LOCAL EXHAUST: NECESSARY

SPECIAL PROTECTION: NONE

SPECIAL PROTECTION (MECHANICAL): ACCEPTABLE

*** END OF DATA SHEET ***

