

Attn: J. Narey

VUC

780 - 700 994 921 GAL

MATERIAL SAFETY DATA SHEET

WINDSHIELD WASHER FLUID -20

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PRODUCT NAME: WINDSHIELD WASHER FLUID -20

HMIS CODES: H F R P
2 2 0 A

PRODUCT CODE: 30907

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Camco Manufacturing, Inc.
ADDRESS 121 Landmark Drive
Greensboro, NC 27409

EMERGENCY PHONE : 336-668-7661 DATE REVISED : 07/03/01
INFORMATION PHONE : 336-668-7661
NAME OF PREPARER : CAMCO MANUFACTURING INC.
121 LANDMARK DR.
GREENSBORO, NC 27409
1-800-334-2004

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
METHANOL	67-56-1	96.1 20C	<35%
ADDITIVES	N/A		<1%

Exposure Guidelines: Methanol
OSHA STD - 8HR TIME WEIGHTED AVG(TWA) 200PPM (260 MG/M3)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 64.5C - 100C SPECIFIC GRAVITY (H2O=1): 0.95
VAPOR DENSITY: Heavier than air EVAPORATION RATE: Greater than n-Butyl Acetate
SOLUBILITY IN WATER: Soluble
APPEARANCE AND ODOR: Clear Blue liquid, mild alcohol odor

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===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 105 F

METHOD USED: PMCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 7.3% UPPER: 36%

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide or any Class B extinguishing agent. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

SPECIAL FIREFIGHTING PROCEDURES

Wear NIOSH approved self-contained breathing apparatus with full facepiece and protective clothing to prevent contact with skin and eyes. Use water spray to cool fire exposed containers.

Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Handle as flammable liquid. Vapors form an explosive mixture in air between the upper and lower explosive limits which can be ignited by many sources such as pilot lights, open flames, electrical motors and switches.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable

CONDITIONS TO AVOID

Ignition sources such as heat, sparks, flames.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong acids and strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Burning can produce carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

HAZARDOUS POLYMERIZATION: Will not occur.

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===== SECTION VI - HEALTH HAZARD DATA =====**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

INHALATION: May cause nose and throat irritation. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: Frequent or prolonged contact may cause skin irritation experienced as burning, drying, cracking and redness.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Harmful quantities of Methyl Alcohol may effect eyes and central nervous system

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause nausea, abdominal pain, headache, shortness of breath, visual impairment and blindness. Severe poisoning can cause coma and death.

HEALTH HAZARDS (ACUTE AND CHRONIC)

None known.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No
OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Ingestion of large amounts of Methyl Alcohol has been shown to damage organs including liver, kidney, pancreas, heart, lungs and brain. Although this rarely occurs, survivors of severe intoxication may suffer permanent neurological damage. Overexposure may aggravate pre-existing disorders of the eyes.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen provided a qualified operator is available. Get medical attention.

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EYE CONTACT: Flush with large quantities of water for 15 minutes and seek medical attention.

SKIN: Remove contaminated clothing and wash contaminated skin with large amounts of soap and water. If irritation persists, get medical attention. Launder clothing before reuse.

INGESTION: If swallowed do not induce vomiting. (Never give anything by mouth to an unconscious person.) Call Poison Control Center, Hospital Emergency Room or Physician immediately.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Keep spectators away. Eliminate all ignition sources (flames, hot surfaces, and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent.

WASTE DISPOSAL METHOD

Dispose in accordance with federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid prolonged or repeated skin contact.

Do not swallow.

OTHER PRECAUTIONS

Store in closed containers in a cool, dry, well ventilated area. Keep away from sparks and open flame.

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===== SECTION VIII - CONTROL MEASURES =====**RESPIRATORY PROTECTION**

Use approved NIOSH respirator when TLV is exceeded.

VENTILATION

Provide sufficient ventilation to maintain exposure below TLV.

PROTECTIVE GLOVES

Wear appropriate impermeable gloves.

EYE PROTECTION

Use chemical safety glasses, goggles, and faceshields for eye protection.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Long sleeves and apron is recommended.

WORK/HYGIENIC PRACTICES

Avoid prolonged or repeated skin contact.

===== SECTION IX - DISCLAIMER =====

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by Camco Manufacturing, Inc., to be accurate. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

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