

**MATERIAL SAFETY DATA SHEET**

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**PRODUCT NAME: WINDSHIELD WASHER FLUID +20**

**HMIS CODES: H F R P**

**2 2 0 A**

**PRODUCT CODE: 30977**

**===== 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 =====**

**VAPOR PRESSURE WEIGHT**

**REPORTABLE COMPONENTS CAS NUMBER mm Hg @ TEMP PERCENT**

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**METHANOL 67-56-1 96.1 20C <8%**

**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): 0.99**

**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: 144 F METHOD USED: TCC**

**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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