

CAMCO MFG INC -- WINDSHIELD WASHER FLUID-20, 30907 -- 7930-00N088464

===== Product Identification =====

Product ID:WINDSHIELD WASHER FLUID-20, 30907

MSDS Date:04/22/1997

FSC:7930

NIIN:00N088464

MSDS Number: CHPCZ

=== Responsible Party ===

Company Name:CAMCO MFG INC

Address:121 LANDMARK DR

City:GREENSBORO

State:NC

ZIP:27409

Country:US

Info Phone Num:910-668-7661

Emergency Phone Num:800-334-2004

CAGE:GO309

=== Contractor Identification ===

Company Name:CAMCO MANUFACTURING INC

Address:121 LANDMARK DR

Box:City:GREENSBORO

State:NC

ZIP:27409

Country:US

Phone:919-668-7661

CAGE:1EA43

Company Name:CAMCO MFG INC

Address:121 LANDMARK DR

City:GREENSBORO

State:NC

ZIP:27409-9603

Country:US

Phone:919-668-7661

CAGE:GO309

===== Composition/Information on Ingredients =====

Ingred Name:METHANOL; (METHYL ALCOHOL) (SARA 313) (CERCLA). VP:96.1 @
20C.

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: <21%

OSHA PEL:200 PPM, S

ACGIH TLV:200 PPM;250 STEL, S

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ADDITIVES

Fraction by Wt: <1%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:VOLATILE ORGANIC COMPOUNDS: COATING & MATERIAL - 1.65
LB/GAL.

RTECS #:9999999V0

Ingred Name:FIRE FIGHT PROC:PREVENT PRESSURE BUILD-UP & POSSIBLE

AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF (ING 5)
RTECS #:9999999ZZ

Ingrid Name:ING 4:WATER IS USED, FOG NOZZLES ARE PREFERABLE.
RTECS #:9999999ZZ

=====
===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:MAY CAUSE NOSE & THROAT IRRIT.
HIGH CONCS MAY CAUSE ACUTE CNS DEPRESS CHARACT BY HDCHS, DIZZ, NAUS
& CONFUSN. EYE CONT:MAY CAUSE IRRIT. SKIN CONT:FREQUENT/PRLNG CONT
MAY CAUSE IRRIT EXPR AS BUR NING, DRYING, CRACKING & REDNESS. SKIN
ABSORPTION:HARMFUL QTYS OF METHYL ALCOHOL MAY EFT EYES & CNS. (EFTS
OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ:INGEST:MAY CAUSE NAUS, ABDOM PAIN,
HDCH, SHORTNESS OF BREATH, VISUAL IMPAIRMENT & BLINDNESS. SEV POIS
CAN CAUSE COMA & DEATH. INGEST OF LG AMTS OF METHYL ALCOHOL HAS
BEEN SHOWN TO DMG ORGS IN CL LIVER, KIDNEY, PANCREAS, HEART, LUNGS
& BRAIN. ALTHOUGH THIS RARELY OCCURS, SURVIVORS OF SEV INTOX MAY
SUFFER(SUPDAT)
Medical Cond Aggravated by Exposure:OVEREXPOSURE MAY AGGRAVATE
PRE-EXISTING DISORDERS OF THE EYES.

=====
===== First Aid Measures =====

First Aid:INHAL:REMOVE TO FRESH AIR. IF BRTHG HAS STOPPED, APPLY ARTF
RESP. IF BRTHG IS DFCLT, GIVE OXYG PROVIDED QUALIFIED OPERATOR IS
AVAIL. GET MED ATTN. EYES:FLUSH W/LG QTYS OF WATER FOR AT LST 15
MINS & SE EK MED ATTN. SKIN:REMOVE CONTAM CLTHG &WASH CONTAM SKIN
W/LG AMTS OF SOAP & WATER. IF IRRIT PERSISTS, GET MED ATTN. LAUNDRER
CLTHG BEFORE REUSE. INGEST:DO NOT INDUCE VOMIT. (NEVER GIVE (SUPP
DATA)

=====
===== Fire Fighting Measures =====

Flash Point Method:PMCC
Flash Point:105F,41C
Lower Limits:7.3%
Upper Limits:36%
Extinguishing Media:FOAM, DRY CHEM, CARBON DIOXIDE/ANY CLASS B EXTING
AGENT. WATER MAY BE UNSUITABLE AS EXTING MEDIUM, BUT HELPFUL
(SUPDAT)
Fire Fighting Procedures:USE NIOSH APPRVD SCBA & FULL PROT EQUIP . USE
WATER SPRAY TO COOL FIRE EXPOS CNTNRS. WATER MAY BE INEFT, BUT MAY
BE USED TO COOL EXPOS CNTNRS TO (ING 4)
Unusual Fire/Explosion Hazard:HANDLE AS FLAMM LIQ. VAPS FORM EXPLO MIXT
IN AIR BTWN UPPER & LOWER EXPLO LIMS WHICH CAN BE IGNITED BY MANY
SOURCES SUCH AS PILOT LIGHTS, OPEN FLAMES, (SUPDAT)

=====
===== Accidental Release Measures =====

Spill Release Procedures:KEEP SPECTATORS AWAY. ELIM ALL IGNIT SOURCES
(FLAMES, HOT SURFS & SOURCES OF ELEC, STATIC/FRICTIONAL SPKS). DIKE
& CNTN SPILL W/INERT MATL (E.G., SAND, EARTH). TRANSFER LIQS TO
COVERED METAL CNTNRS FO R RECOVERY/DISP, OR REMOVE W/INERT
ABSORBENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====
 Handling and Storage
 =====

Handling and Storage Precautions:AVOID PROLONGED OR REPEATED SKIN CONTACT. DO NOT SWALLOW. STORE IN CLOSED CONTAINERS IN A COOL, DRY, WELL VENTILATED AREA.

Other Precautions:KEEP AWAY FROM SPARKS & OPEN FLAME.

=====
 Exposure Controls/Personal Protection
 =====

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR WHEN TLV IS EXCEEDED.

Ventilation:PROVIDE SUFFICIENT VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves:APPROPRIATE IMPERMEABLE GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . LONG SLEEVES & APRON IS RECOMMENDED.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXTING MEDIA:IN KEEPING ADJACENT CNTNRS COOL. EXPLO HAZ:ELEC MOTORS & SWITCHES. HAZ DECOMP PROD:IN SUFFICIENT CONCS CAN ACT AS ASPHY. EFTS OF OVEREXP:PERM NEUROLOGICAL DMG. FIRST AID PROC:ANYTHING BY MOUTH TO UNCONSCIOUS PERSON). CALL POISCTL CTR, HOSPITAL EMERGENCY ROOM/MD IMMED.

=====
 Physical/Chemical Properties
 =====

Boiling Pt:B.P. Text:>148F,>65C
 Vapor Pres:SEE ING 1
 Vapor Density:HVR/AIR
 Spec Gravity:0.95 (H*20=1)
 Evaporation Rate & Reference:GREATER/N-BUTYL ACETATE
 Solubility in Water:SOLUBLE
 Appearance and Odor:CLEAR BLUE LIQUID; MILD ALCOHOL ODOR.

=====
 Stability and Reactivity Data
 =====

Stability Indicator/Materials to Avoid:YES
 STRONG ACIDS & STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:IGNITION SOURCES SUCH AS HEAT, SPARKS, FLAMES.

Hazardous Decomposition Products:BURNING CAN PRDCE CARBON MONOXIDE &/OR CARBON DIOXIDE. CARBON MONOXIDE IS HIGHLY TOX IF INHALED, CARBON DIOXIDE (SUPDAT)

=====
 Disposal Considerations
 =====

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
 This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.