

Material Safety Data Sheet

SECTION I - Material Identity
SECTION II - Manufacturer's Information
SECTION III - Physical/Chemical Characteristics
SECTION IV - Fire and Explosion Hazard Data
SECTION V - Reactivity Data
SECTION VI - Health Hazard Data
SECTION VII - Precautions for Safe Handling and Use
SECTION VIII - Control Measures
SECTION IX - Label Data
SECTION X - Transportation Data
SECTION XI - Site Specific/Reporting Information
SECTION XII - Ingredients/Identity Information

SECTION I - Material Identity

Item Name	
Part Number/Trade Name	WINDSHIELD WASHER FLUID-20
National Stock Number	7930L400629F
CAGE Code	1EA43
Part Number Indicator	A
MSDS Number	183474
HAZ Code	B

SECTION II - Manufacturer's Information

Manufacturer Name	CAMCO MANUFACTURING, INC
Street	121 LANDMARK DRIVE
City	GREENSBORO
State	NC
Country	US
Zip Code	27409
Emergency Phone	336-668-7661
Information Phone	336-668-7661/800-334-2004

MSDS Preparer's Information

Date MSDS Prepared/Revised	01OCT98
Active Indicator	Y

Alternate Vendors

Vendor #1 CAGE 1EA43

SECTION III - Physical/Chemical Characteristics

Appearance/Odor	CLEAR BLUE LIQUID, MILD ALCOHOL ODOR
Boiling Point	147.2
Vapor Density	HVR/AIR
Specific Gravity	.95
Evaporation Rate	>N-BUTYL ACETATE
Solubility in Water	SOLUBLE
Container Pressure Code	4
Temperature Code	8
Product State Code	L

SECTION IV - Fire and Explosion Hazard Data

Flash Point Method	PMCC
Lower Explosion Limit	7.3
Upper Explosion Limit	36
Extinguishing Media	FOAM, DRY CHEMICAL, CO2, CLASS B EXTINGUISHER, WATER MAY BE UNSUITABLE
Special Fire Fighting Procedures	USE WATER TO COOL FIRE EXPOSED CNTRS (FOG NOZZLES ARE PREFERRED). WEAR NIOSH APPROVED SCBA W/FULL FACEPIECE & PROTECTIVE CLOTHING TO PREVENT CONTACT
Unusual Fire/Explosion Hazards	HANDLE AS FLAMMABLE LIQUID. VAPORS FORM AN EXPLOSIVE MIX IN AIR BETWEEN THE UPPER/LOWER EXPLOSIVE LIMITS WHICH CAN BE IGNITED BY MANY SOURCES

SECTION V - Reactivity Data

Stability	YES
Stability Conditions to Avoid	IGNITION SOURCES (HEAT, SPARKS & FLAME)
Materials to Avoid	STRONG ACIDS & STRONG OXIDIZING AGENTS

Hazardous Decomposition Products	BURNING CAN PRODUCE CO, CO2. CO IS HIGHLY TOXIC IF INHALED; CO2 IN SUFFICIENT CONCENTRATIONS CAN ACT AS AN ASPHYXIANT
Hazardous Polymerization	NO
Polymerization Conditions to Avoid	WILL NOT OCCUR

SECTION VI - Health Hazard Data

Route of Entry: Skin	YES
Route of Entry: Ingestion	YES
Route of Entry: Inhalation	YES
Health Hazards - Acute and Chronic	INHALE: MAY CAUSE THROAT IRRITATION. HIGH CONCENTRATIONS MAY CAUSE ACUTE CNS DEPRESSION. SKIN/EYE: IRRITATION INGEST: SEVERE CAN CAUSE COMA OR DEATH, VISUAL IMPAIRMENT & BLINDNESS
Carcinogenity: NTP	NO
Carcinogenity: IARC	NO
Carcinogenity: OSHA	YES
Symptoms of Overexposure	INHALE: HEADACHES, DIZZINESS, NAUSEA, CONFUSION. SKIN: MAY BE ABSORBED TO EFFECT THE EYES (VISUAL DISTURBANCE OR BLINDNESS) AND CAUSE BURNING, DRYING, CRACKING AND REDNESS. INGEST: NAUSEA, ABDOMINAL PAIN, SHORTNESS OF BREATH, VISUAL IMPAIRMENT & BLINDNESS. CAN CAUSE COMA OR DEATH
Medical Cond. Aggrevated by Exposure	PREEXISTING DISORDERS OF THE EYES
Emergency/First Aid Procedures	INHALE: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, SPPLY ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE O2 PROVIDED A QUALIFIED OPERATOR IS AVAIL. GET MEDICAL ATTN. EYE: FLUSH W/LG QTY OF WATER FOR 15 MIN. & SEEK MEDICAL ATTN. SKIN: REMOVE CONTAMINATED CLOTHING & WASH SKIN W/LG AMTS OF SOAP & WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTN. LAUNDER CLOTHING BEFORE REUSE. INGEST: IF SWALLOWED DO NOT INDUCE VOMITING. (NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON). CALL POISON CONTROL CENTER/PHYSICIAN

IMMED

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled	KEEP SPECTATORS AWAY. ELIMINATE ALL IGNITION SOURCES. DIKE & CONTAIN SPILL W/INERT MATERIAL. TRANSFER LIQUIDS TO COVERED METAL CNTRS FOR RECOVERY OR DISPOSAL, OR REMOVE W/INERT ABSORBANT
Waste Disposal Method	DISPOSE OF I/A/W ALL FEDERAL, STATE AND LOCAL LAW
Handling and Storage Precautions	AVOID PROLONGED OR REPEATED SKIN CONTACT. DO NOT SWALLOW
Other Precautions	STORE IN CLOSED CNTRS IN COOL, DRY WELL VENTILATED AREA. KEEP AWAY FROM SPARKS & OPEN FLAME

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 APPROP. IMPERMEABLE GLOVES
Eye Protection	USE CHEMICAL SAFETY GLASSES/GOGGLES
Other Protective Equipment	LONG SLEEVES & APRON RECOMMENDED
Work Hygienic Practices	AVOID PROLONGED/REPEATED SKIN CONTACT
Supplemental Health/Safety Data	
Disposal Code	0

SECTION IX - Label Data

Protect Eye	YES
Protect Skin	YES
Protect Respiratory	YES
Chronic Indicator	YES
Contact Code	UNKNOWN
Fire Code	UNKNOWN
Health Code	UNKNOWN

React Code	UNKNOWN
Specific Hazard and Precaution	SEE HEALTH HAZARDS

SECTION X - Transportation Data

Container Quantity	1
Unit of Measure	GL

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)	2.2184
Volatile Organic Compounds (G/L)	265.8505

SECTION XII - Ingredients/Identity Information

Ingredient #	01
Ingredient Name	METHANOL (<28%)
CAS Number	67561
Proprietary	N
Percent	27.9
OSHA PEL	200 PPM
ACGIH TLV	200 PPM