

VISCOSITY OIL  
 A Tenneco Company  
 3200 S. Western Ave.  
 Chicago, IL 60608

HMIS Rating:		Legend:
HEALTH	= 1	0-Minimal
FIRE	= 1	1-Slight
REACTIVITY	= 0	2-Moderate
		3-Serious
		4-Severe

MATERIAL SAFETY DATA SHEET

MSDS DATE  
 09A971-1.7 06-04-92

\*\*\*\*\* SECTION 1 - MATERIAL IDENTIFICATION \*\*\*\*\*

Material/Trade Name: CUB CADET GASOLINE ENGINE OIL 5W-30

EMERGENCY TELEPHONE  
 VISCOSITY OIL  
 DAY ONLY 312-847-0224

Synonyms: Multi-grade motor oil

CHEMTREC 800-424-9300

Chemical Family/Formula: Petroleum hydrocarbon

CAS No.: Mixture

\*\*\*\*\* SECTION 2 - INGREDIENTS \*\*\*\*\*

Composition	CAS	%	TOXICITY DATA
Solvent refined paraffinic oil	64741-88-4	80-99	Rat, Oral LD50 204 gm/kg
Proprietary additive mixture	NA	>1	
Other ingred.	NA	<1	Rat, Dermal LD50 15 gm/kg

\*\*\*\*\* SECTION 3 - PHYSICAL DATA \*\*\*\*\*

Boiling Point, 760mm/Hg :>350 F Volatiles, % by Volume :negl.  
 Specific Gravity, Water=1:0.87 Solubility in water, % by Volume :negl.  
 Vapor Pressure, mm/Hg :ND Evaporation Rate, Butyl Acetate=1:ND  
 Vapor Density, Air=1 :12 appx.  
 Appearance and Odor :Clear amber color oily liquid with mild petroleum odor.

\*\*\*\*\* SECTION 4 - FIRE AND EXPLOSION DATA \*\*\*\*\*

Flash point and test method Auto ignition temp. LFL UFL  
 COC: 420 F min ND ND % ND %

Extinguishing Media: Water spray (fog), dry chemical, foam, Halon, carbon dioxide. Water stream may splash burning liquid, spreading the fire.

Special Fire Fighting Procedures: Class IIIB combustible liquid. Use air supplied breathing equipment for fighting interior fires. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards: A vapor accumulation would flash and/or explode if ignited. Never use a welding on or near drum, even if empty.

\*\*\*\*\* SECTION 5 - REACTIVITY DATA \*\*\*\*\*  
Stability Hazardous Polymerization

X Stable    \_ Unstable                    \_ May occur    X Will not occur

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Conditions and Materials to Avoid:    Avoid strong oxidizers such as chlorine and oxygen, heat and sources of ignition.

Hazardous Decomposition Products:    Combustion produces carbon monoxide and carbon dioxide along with thick black smoke.    Traces of oxides of sulfur.

\*\*\*\*\* SECTION 6 - OCCUPATIONAL EXPOSURE LIMITS \*\*\*\*\*

No TLV established.

For oil mists, OSHA and ACGIH recommend TLV 5 mg/m3, 8hr TWA

\*\*\*\*\* SECTION 7 - HEALTH INFORMATION \*\*\*\*\*

Inhalation: Hazard is negligible unless heated to produce vapors or as a mist. Vapors or misted oils can irritate the mucous membranes and cause pulmonary irritation, dizziness and nausea.

Eye            : Contact can cause irritation.

Skin            : Prolonged or repeated contact with the skin may cause irritation of the hair follicles and block sebaceous glands causing rashes, oil acne or dermatitis.

Ingestion : May irritate digestive tract but is generally not harmful unless in large quantities.

Possible aspiration hazards exists with low viscosity products during vomiting which could cause pulmonary edema which can be fatal.

Medical conditions aggravated by this product have not been determined.

## \*\*\*\*\* SECTION 8 - EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

Skin : Wash with soap and water, or use waterless hand cleaner after skin contact. Launder contaminated clothing before reuse.

Eye : Flush with water for at least 15 minutes, getting under eyelids. Contact physician if irritation persists.

Inhalation: (Mists or vapors)- Remove victim from area of exposure to fresh air. If breathing difficulty or irritation persists contact a physician for assistance.

Ingestion : DO NOT INDUCE VOMITING! Contact physician for advice.

## \*\*\*\*\* SECTION 9 - EMPLOYEE PROTECTION \*\*\*\*\*

Respiratory Protection: Respirators acceptable for mists or particulates recommended for protection from oil vapors or mists. Air supplied or self contained breathing equipment recommended for concentrations above 250 mg/M3.

Protective Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. Neoprene or Nitrile gloves and clothing recommended to prevent skin contact.

Other Protective Measures: Provide explosion proof ventilation where oils are heated or misted to meet TLV level. Employees must practice good personal hygiene, washing exposed skin several times daily and laundering contaminated clothing before reuse.

## \*\*\*\*\* SECTION 10 - ENVIRONMENTAL PROTECTION \*\*\*\*\*

Spill Clean-up Procedures: Remove sources of ignition, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels, "Oil Dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film.

Waste Disposal: Waste may be disposed of by a licensed waste disposal company. Contaminated absorbent materials may be disposed of in an approved land fill. Federal, State, and Local disposal regulations must be followed.

Environmental Hazards: Classified as an "Oil" under Coast Guard regulations and the Clean Water Act. Spills entering a waterway that cause sheen on the water surface must be reported to the U.S. Coast Guard National Resource Center- (800) 424-8802.

\*\*\*\*\* SECTION 11 - SPECIAL PRECAUTIONS \*\*\*\*\*

Store in closed containers below 120 degrees F (48.8 degrees C)

Keep away from oxidizing agents, excessive heat or sources of ignition.

\*\*\*\*\* SECTION 12 - TRANSPORTATION REQUIREMENTS \*\*\*\*\*

DOT Shipping Name: N/A

DOT I.D. No.: N/A

DOT Classification: N/A

UN Hazard Class: N/A

\*\*\*\*\* SECTION 13 - OTHER REGULATORY CONTROLS \*\*\*\*\*

SARA Title III Status: This product contains the following chemicals subject to the reporting requirements of Section 313 of SARA Title III:

Zn dialkyldithiophosphate CAS 88649-42-3 1.0 % by wt.

\*\*\*\*\* SECTION 14 - DATE AND SIGNATURE \*\*\*\*\*

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of this company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty, or guarantee is made as to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Viscosity Oil Company 3200 S. Western Ave Chicago, Illinois, 80608

Date Prepared 6-4-92

Approved By J. A. Smit