

NAPA Brake Fluid DOT 4

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MATERIAL SAFETY DATA SHEET

Effective Date: 11-15-99

Revision Date

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Code: CST

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Section 1 - Product and Company Identification

PRODUCT NAME: NAPA Brake Fluid DOT 4

MANUFACTURER'S NAME:

Coastal Uni-Lube Inc

9 Greenway Plaza

Houston, TX 77046

EMERGENCY TELEPHONE NUMBER

(713)877-1400

MISCELLANEOUS INFORMATION

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Section 2 - Hazardous Ingredients

OSHA ACGIH

Product Name

CAS #

Wt.

PEL

TLV

Other

Units

Coastal S. H. D. Brake Fluid Mixture  
DOT3

100%

NA

NA

NA

PPM

Ingredients

Blend of various

Glycol Ethers, Glycol

and Polyglycol

NA-P

100% NA

NA

NA

PPM

NA= Not Available

NA-P= Information is claimed proprietary by supplier

STEL= Short Term Exposure Limit; 15 Minutes

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Section 3 - Hazards Identification

This product has not been tested as a whole to determine its specific hazards. The information provided in this section is based on health hazard information on the product components.

Effects of overexposure:

Acute:

EYES: May cause severe eye irritation and chemical burns.

SKIN: Slightly irritating to the skin. Harmful amounts may be absorbed through the skin with extensive and prolonged contact.

INHALATION: Exposure to vapors or mist may result in irritation of the respiratory tract, headache, drowsiness and dizziness. High concentrations of ethylene glycol ethers may be lethal.

INGESTION: May cause irritation of the mouth, throat, and the respiratory tract, abdominal discomfort, dizziness, lumbar pain, CNS depression, kidney and liver damage.

Chronic: Prolonged or repeated contact may result in toxic amounts being absorbed through the skin.

Carcinogenicity: NTP: No

IARC Monographs: No

OSHA Regulated: No

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Section 4 - First Aid Measures

Eye Contact: Flush thoroughly with large amounts of water for at least 15 minutes, including under the eye lids. Contact a physician immediately, preferably an ophthalmologist. Speed and thoroughness in rinsing eyes are important to avoid permanent injury.

Skin Contact: Remove contaminated clothing. Wash affected areas with soap and water. If irritation occurs, get medical help. Discard contaminated shoes.

Inhalation: Remove to fresh air. If breathing has stopped, apply artificial respiration. Get immediate medical attention.

Ingestion: Never give anything by mouth to an unconscious or convulsing person. Have the affected person, if conscious, drink 1 to 2 glasses of water, then induce vomiting. Get immediate medical attention.

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Section 5 - Firefighting Measures

Flash Point: >200 F  
Flammable Limits in Air % by Vol.: Lower: N.A. Upper: N.A.  
Autoignition Temperature: N.A.  
Extinguishing Media: Dry chemical, foam, carbon dioxide

Special Fire Fighting Procedure: Water spray may be used to keep fire-exposed containers cool, preventing pressure build up and explosion. Firefighters should wear self-contained breathing apparatus.

Unusual Fire or Explosion Hazard: May ignite when sufficient heat is applied.

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Section 6 - Environmental Release Measures

Spill Procedures: Remove sources of heat or ignition including internal combustion engines and power tools. Remove spill with vacuum trucks or pump and soak up residue with an absorbent. Use approved respirator where occupational exposure limits may be exceeded.

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Section 7 - Handling and Storage

Store in tightly closed containers in an dry place, away from incompatible materials or sources of heat, ignition or strong oxidizers. Ground and bond all transfer and storage equipment. Empty containers may contain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, puncture, incinerate, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition.

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Section 8 - Exposure Controls/Personal Protection

Eye Protection: Remove contact lenses and wear chemical safety goggles where contact with liquid or mist may occur.

Skin Protection: Wear impervious gloves when contact with skin may occur. Use face shield where splashing may occur. Wash with soap and water before eating, drinking and smoking. Launder contaminated clothing before reuse.

Inhalation: Use approved respiratory protective equipment for cleaning large spills or entry into large tanks, vessels or other confined spaces or in situations where exposure may exceed occupational exposure levels.

Ventilation: Provide adequate general and local exhaust ventilation: (1) to keep mist and vapors below occupational exposure levels; and (2) to prevent the formation of an oxygen deficient atmosphere, particularly in a confined space.

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Section 9 - Physical and Chemical Properties

Boiling Point 760 mmHg:	446 F	Melting Point:	N.A.
Vapor Pressure mmHg @ 100F:	<0.1	Vapor Density (air=1):	N.A.
Solubility in H2O %:	Soluble	pH:	N.A.
Specific Gravity(H2O):	1.02-1.04	Evaporation Rate:	
% Volatile by Volume:	N.A.	(ethyl ether=1):	N.A.
Viscosity (method, temp):	N.A.		
Appearance: Clear liquid		Odor: Mild ether odor	

N.A. = Not Available

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Section 10 - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid/Incompatibility: Strong oxidizing agents, heat, spark, flame and build-up of static electricity.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide, water and/or oxygenated hydrocarbons.

Section 11 - Toxicological Information

Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected by this product. Ethylene glycol and ethylene glycol ethers have produced dose-related teratogenic effects and maternal toxicity in laboratory animals. Exposure to vapors of ethylene glycol ethers have caused testicular atrophy in laboratory animals.

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Section 12 - Ecological Information

No information.

Section 13 - Disposal Considerations

Waste Disposal: Dispose through a licensed waste disposal company. Follow federal, state and local regulations.

Section 14 - Transport Information

Not regulated.

Section 15 - Regulatory Information

SARA TITLE III INFORMATION

Section 311/312 Hazard Categorization

Acute Chronic Fire Pressure Reactive

X X

SARA Hazardous Substances

Ingredient	CAS No.	% wt	Sec 313	Sec 302	RQ, lb	TPQ, lb
Ethylene Glycol	110-80-5	NA	X			
Glycol Ethers	various	<75	X			

Key: Sec 313 = Toxic Chemicals, Section 313  
Sec 302 = Extremely Hazardous Substances (EHS)  
RQ = Reportable Quantity of EHS  
TPQ = Threshold Planning Quantity of EHS

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Section 16 - Other Information

CALIFORNIA PROPOSITION 65 WARNING

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in the petroleum products. Although it is possible to sufficiently refine the petroleum products to remove the potential for cancer, we are advising that one or more of the listed chemicals may be present in some detectable quantities. Read and follow directions and use care when handling these petroleum products.

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