



Chemical Name: Hydraulic Jack Oil

Manufacturer: Napa

Container size: 1 gallon

Location: VLA

Disposal: Place empty container in trash.

NAPA Hydraulic Fluid AW32, 46, 68

=====

MATERIAL SAFETY DATA SHEET

Effective Date: 4-3-01 Revision Date: none

NAPA Hydraulic Fluid AW32, 46, 68

Code: CST Page: 1

=====

Section 1 - Product and Company Identification

PRODUCT NAME: NAPA Hydraulic Fluid AW32, 46, 68

MANUFACTURER'S NAME: EMERGENCY TELEPHONE NUMBER

Coastal Uni-Lube Inc. (713)877-1400

9 Greenway Plaza

Houston, TX 77046 MISCELLANEOUS INFORMATION

=====

Section 2 - Hazardous Ingredients

Occupational Exposure Limits*

OSHA ACGIH

Product CAS Number Wt% PEL TLV Other Units

NAPA AW 32, 46, 68 Mixture 100 N.A. N.A. N.A. N.A.

Ingredient(s):

Severely Hydrotreated 64742-52-2 >99 5 5 10 STEL mg/m3**

Heavy Naphthenic

Distillate

Additives containing N.A.-P <1 N.A. N.A. N.A. N.A.

Zinc salt of dialkyl

dithiophosphate (ZDDP),

2,6-di-t-butylphenol

and polymers

* = 8-Hr. TWA unless otherwise specified.

** = As mineral oil mist.

N.A. = Not Available.

STEL = Short Term Exposure Limit; 15 minutes.

N.A.-P = Information for this component is claimed proprietary by supplier.

=====

MATERIAL SAFETY DATA SHEET

Effective Date: 4-3-01 Revision Date: none

NAPA Hydraulic Fluid AW32, 46, 68

Code: CST Page: 2

=====

Section 3 - Hazards Identification

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

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

Occupational Exposure Limits: See COMPOSITION section.

Effects of Overexposure:

Acute:

Eyes: Mildly irritating to the eyes.

Skin: May cause slight skin irritation

Inhalation: The inhalation hazards of the components are negligible to minimally irritating if airborne concentrations are kept below permissible occupational exposure limits. Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation, drowsiness, dizziness, headache and nausea.

Ingestion: Ingestion of large amounts may cause headache, drowsiness, nausea, vomiting or diarrhea. Aspiration hazard if vomiting occurs.

Chronic: Frequent or prolonged contact may cause skin irritation.

Additional Medical and Toxicological Information: May aggravate preexisting dermatitis. The International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence for the carcinogenicity of used oils in experimental animals.

=====
Section 4 - First Aid Measures

Eye Contact: Flush thoroughly with water for at least 15 minutes, including under the eyelids. Contact a physician immediately, preferably an Ophthalmologist if redness or irritation occurs.

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

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

Ingestion: Do not induce vomiting. If spontaneous vomiting occurs hold the victim's head lower than hips to prevent aspiration.

=====
MATERIAL SAFETY DATA SHEET

Effective Date: 4-3-01 Revision Date: none

NAPA Hydraulic Fluid AW32, 46, 68

Code: CST Page: 3
=====

Section 5 - Firefighting Measures

Flash Point: 350

Flammable Limits in Air % by Vol.: Lower: N.A. Upper: N.A.

Autoignition Temperature: N.A.

Extinguishing Media: Dry chemical, foam, carbon dioxide, or water spray.

Special Fire Fighting Procedure: Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool. Firefighters should wear self-contained breathing apparatus.

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

=====
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.

=====
Section 7 - Handling and Storage

Storage Requirements: Store in tightly closed containers in a dry, cool place, away from sources of heat, ignition or strong oxidizers. Ground and bond all transfer and storage equipment and equip with self closing valves,

pressure vacuum bungs and flame arrestors.

=====
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 or smoking. Launder contaminated 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 or vapors below occupational exposure levels; and (2) to prevent the formation of an oxygen deficient atmosphere, particularly in a confined space.

=====
MATERIAL SAFETY DATA SHEET

Effective Date: 4-3-01 Revision Date: none
NAPA Hydraulic Fluid AW32, 46, 68
Code: CST Page: 4
=====

Section 9 - Physical and Chemical Properties

Boiling Point 760 mmHg: N.A. Melting Point: N.A.
Vapor Pressure mmHg @ 100F: N.A. Vapor Density (air=1): N.A.
Solubility in H2O %: Nil pH: N.A.
Specific Gravity (H2O): 0.9218 Evaporation Rate:
% Volatile by Volume: N.A. (ethyl ether=1) N.A.
Viscosity (method, temp): 32 cSt @ 40C
Appearance: Light amber liquid Odor: Slight hydrocarbon odor

N.A. = Not Available

=====
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, aldehydes, ketones, and combustion products of sulfur and nitrogen.

=====
Section 11 - Toxicological Information

Toxicological Information: May aggravate preexisting dermatitis. The International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence for the carcinogenicity of used oils in experimental animals.

=====
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

DOT Hazard Class: Not Applicable

=====
MATERIAL SAFETY DATA SHEET

Effective Date: 4-3-01 Revision Date: none

NAPA Hydraulic Fluid AW32, 46, 68

Code: CST Page: 5
=====

Section 15 - Regulatory 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.

=====
Section 16 - Other Information

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 THE ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABLENESS AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.