

# Material Safety Data Sheet

## SECTION I

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL): APS-1063  
ALPHA LUBE OIL STANDARD  
WITH VANADIUM

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## MANUFACTURER'S DUNNS NO. 08 383 8045

### **HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASSES, HAZARD ID NO:**

Aliphatic Hydrocarbon, Lube Oil, Paraffin Oil, Mineral Oil  
DOT Hazard class Combustible Liquid (173.115)  
CHEMICAL FAMILY: Aliphatic Hydrocarbon

### **FORMULA: N/A**

### **SECTION II - INGREDIENTS (LIST ALL INGREDIENTS)**

LISTED AS A CARCINOGEN IN NTP, IARC OR OSHA 1910(Z)

CAS REGISTRY NO.	%W	CHEMICAL NAMES	SPECIFY
8012-95-1	100	LUBE, MINERAL, PARAFFIN OIL	no

### **SECTION III - PHYSICAL DATA**

Boiling point: < 600 Deg. F < 316 Deg C @ 760 mmHg  
SPECIFIC GRAVITY = 0.84 - 0.89 @ 60 Deg. F (WATER = 1)  
% Volatiles: Unavailable  
Vapor pressure: <0.10mm Hg  
Percent solid(s) by weight % = N/A  
Vapor density (air = 1): N/A  
Evaporation rate: <1.00  
Solubility in water: slight                      pH N/A  
Melting point: N/A  
Material is Liquid  
Appearance and odor: Clear, viscous Liquid, Looks like Oil.

## ***SECTION IV FIRE AND EXPLOSION HAZARD DATA***

Flash point: 345 Deg. F

Flammable limits: LEL: N/A UEL: N/A

Extinguishing media: Water Fog or carbon dioxide or dry chemical

Special fire fighting procedures: water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid. Wear self-contained breathing apparatus with a full face-piece operated in the positive pressure demand mode when fighting fires.

Unusual fire and explosion hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

NFPA Codes: Health - 1 Flammability - 1 Reactivity - 0

## ***SECTION V HEALTH HAZARD DATA***

Threshold Limit Value: NIOSH recommends a 10 Mg/CUM - 10 hour time weighted average.

Threshold Limit Value: 5 Mg/M<sub>3</sub>

Permissible Exposure Limit: 5 Mg/M<sub>3</sub>

### **Effects of overexposure:**

**Eyes** - can cause severe irritation, redness, tearing, blurred vision.

**Skin** - prolonged or repeated contact can cause moderate irritation, De-fatting, dermatitis.

**Breathing** – Excessive inhalation of vapors may cause nasal and respiratory irritation.

**Swallowing** - can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonia, which can be fatal.

**Primary routes of entry: Inhalation, Skin Contact**

### **Emergency and first aid procedures:**

If on skin: thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

If in eyes: Flush with large amounts of water, lifting upper and lower Lids occasionally.

If swallowed: Do not induce vomiting. Keep person warm, quiet, and get medical attention. Aspiration of material into the lungs can cause chemical pneumonia, which can be fatal.

If breathed: If affected, removed individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

## ***SECTION VI REACTIVITY DATA***

**Stability:** Stable

**Conditions to avoid:** Excessive heat

**Incompatibility:** (material to avoid) strong oxidizing agents

**Hazardous decomposition products:** May form toxic materials: carbon dioxide, and carbon monoxide, various hydrocarbons.

**Hazardous polymerizations:** will not occur

**Conditions to avoid:** N/A

## ***SECTION VII SPILL OR LEAK PROCEDURE***

Steps to be taken in case material is released or spilled: Eliminate all sources of ignition such as flames, flares, pilot lights and sparks. Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material.

**Waste disposal:** Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood ductwork. Dispose of remaining material in accordance with state, federal, and local regulations.

### **Reportable quantities in lbs.:**

CERCLA N/A    SARA N/A    OTHER N/A

RCRA hazardous waste number(s): N/A

Volatile organic compounds (VOC) (as packaged minus water).

Theoretical (lbs/gal): N/A      Analytical (lbs/gal): N/A

## ***SECTION VIII SPECIAL PROTECTION***

**Eye protection:** Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (consult your safety equipment supplier)

**Skin protection:** To prevent repeated or prolonged skin contact, wear impervious clothing and boots, such as neoprene or nitrile rubber.

**Respiratory protection:** If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

### **Ventilation Local Exhaust (specify rate): Provide sufficient mechanical**

(general and/or local exhaust) ventilation to maintain exposure below level of TVL overexposure (from known, suspected or apparent adverse effects).

Special: N/A

Requirements Mechanical (General) (Specify rate): N/A

## ***SECTION IX - SPECIAL PRECAUTIONS***

Precautions to be taken in handling and storing and/or other precautions:

Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

***SUPPLEMENTAL INFORMATION***

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

**MINOR COMPONENTS OF PRODUCT WHICH MAY BE CARCINOGENIC**

Element	CAS#	mg/L	Suspected or known carcinogens/ Highly toxic substances marked with an X
Vanadium	7440-62-2	1000.0	X

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Prepared by: Scot Burns