

McFarlane Aviation Inc.  
696 E. 1700 Road  
Baldwin City, KS 66006

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 - Belgium

## Safety Data Sheet

**Product: DAM™ Exhaust Lube**

Revision Date: August 21<sup>st</sup>, 2020

### 1. MATERIAL IDENTIFICATION

**Product Name:** DAM™ Exhaust Lube

**Product Description:** Semi-opaque, black, watery consistency

**Product Use:** Anti seize compound for aircraft stainless steel exhaust systems, spark plug threads.

**Manufacturer:** McFarlane Aviation, Inc.

696 E. 1700 Road  
Baldwin City, KS 66006

**Telephone:** 785-594-2741

**Emergency Phone:** 785-594-2741

### 2. HAZARDS IDENTIFICATION

**Emergency Overview:** May be fatal or harmful if inhaled. May cause respiratory tract irritation. Avoid producing dust and inhaling dust.

**Eye Contact:** May cause eye irritation.

**Skin Contact:** May cause skin irritation.

**Inhalation Acute:** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** May be fatal or harmful if swallowed.

**HMIS:** Health: 1

Flammability: 3

Reactivity: 0

**Flammability:** Flammable liquid and vapor.

**Signal Word:** DANGER



**Precautionary:** Avoid inhalation of any dust produced from this product, Dust will irritate lungs. In the event exposure is incurred, remove to fresh air, seek professional medical attention as required.

### 3. COMPOSITION

**Ingredient CAS # ACGIH TLV (mg/m<sup>3</sup>) OSHA PEL (mg/m<sup>3</sup>)**

Ingredient	C.A.S. No.	ACGIH TLV (TWA)	ACGIH TLV STEL	OSHA PEL (TWA)	OSHA PEL (STEL)	% by volume
Naphtha	64742-89-8	300 PPM		300 PPM	400 PPM	< 76.5
Trade Secret*	Trade Secret*	5 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>		< 12
Molybdenum Disulfide	1317-33-5	15mg/m <sup>3</sup>				< 8
Trade Secret*	Trade Secret*	5 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>		4-8

\*: Trade Secret: the specific chemical identity and/or exact percentage has been withheld as a trade secret.

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#### **4. FIRST AID MEASURES**

***Eye Exposure:***

In case of eye contact, immediately flush eyes with plenty of water, while holding eyelids open, for several minutes. Remove contact lenses if worn. (Note: Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.) If pain or irritation persists, get medical attention.

***Skin Exposure:***

In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing/shoes. If irritation persists, get medical attention.

***Inhalation:***

Remove to fresh air and promote deep breathing. Give artificial respiration if not breathing. Get medical attention if effects persist.

***Ingestion:***

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Give water to drink if conscious. Get medical attention if effects persist. After ingestion: If swallowed do not induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration of vomit into the lungs. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give victim water to rinse out mouth, and then provide liquid slowly and as much as can comfortably drink. Seek medical advice.

#### **5. FIRE FIGHTING MEASURES**

***Flash Point:*** 105.8

***Flammable Limits:*** Not Available

***Auto-Ignition Temperature:*** Not Available

***Extinguishing Media:*** Carbon dioxide, foam, dry chemical, water spray. Do not use a direct water stream on large quantities.

***Special Hazards:*** Flammable. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Produces noxious toxic fumes when burning:  
Sulfur oxides and molybdenum trioxide.

***Special Fire Fighting Procedures:*** Move container from fire area if possible. Avoid breathing gasses, fumes or dusts. Keep upwind. Use full firefighting turn-out gear. Nitrogen Oxide may develop in the combustion process. Supplied-air respirator with full face piece is required.

#### **6. ACCIDENTAL RELEASE MEASURES**

***Personal Precautions:*** Avoid dust formation. Avoid breathing dust, vapors, mist or gas.

***Personal Protection:*** For a large spill: Wear chemical goggles, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs. If the material has dried, avoid dust made from the dried product.

***Small Spill Cleanup:*** A small spill can be cleaned up with paper towels or other absorbent material.

***Large Spill Cleanup:*** Because the product is packaged in small quantities (4 oz) it is unlikely a large spill would occur. If a large spill were to occur, mop up spilled liquid or soak-up with absorbent material. dispose in accordance with federal, state and local regulations. Wash area with soap and water then water to complete cleanup.

#### **7. HANDLING AND STORAGE**

***Handling:*** Avoid contact with eyes and clothing. Avoid continuous contact with skin. Avoid breathing vapors. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. If the material dries, avoid any dust from the product. Use in a well-ventilated area. Avoid formation and inhalation of dust. Avoid skin contact.

***Gloves:*** must be made from Nitrile Rubber.

***Always handle with gloves.*** Gloves must be inspected prior to use. Use proper glove removal technique

***Storage:*** Store at room temperature in a dry, well ventilated area, away from combustible material, and away from ignition sources. Keep containers closed.

**Keep out of reach of children.**

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

***Engineering Controls:*** Normal ventilation for good working conditions should be used. Keep containers closed when not using product.

***Respiratory Protection:*** This product is not considered respirable when used as directed. However, if the product is aspirated or the cured product is polished, ground, sanded or chipped during processing, handling or use, powders may be released as airborne respirable particles. In these instances, appropriate personal protection equipment and local ventilation controls must be employed. If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved vapor respirator is required.

***Skin Protection:*** Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Use gloves made of Nitrile Rubber.

***Eye Protection:*** Wear safety glasses when using to prevent eye contact. In the event of eye exposure begin eye irrigation immediately.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Slightly Opaque  
**Color:** Gray  
**Odor:** Mild Petroleum  
**pH:** No Data  
**Specific Gravity, g/cc** No Data  
**Water Solubility:** Slightly Soluble  
**Boiling Point Range:** No Data  
**Vapor Pressure (mm Hg):** No Data  
**Vapor Density (air=1):** No Data  
**VOC Content, g/l:** No Data

### 10. STABILITY AND REACTIVITY

**Reactivity:** No Data available. Under normal use and storage conditions no hazardous reactivity is expected.  
**Chemical Stability:** This material is stable under normal conditions of use and storage.  
**Conditions to Avoid:** Avoid ignition sources for an used product. Product is flammable until solvents have evaporated.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition Materials:** None

### 11. TOXICOLOGICAL INFORMATION

**Irritation:** Main constituent is expected to have slight to moderate skin irritation.  
**Skin Sensitization:** Contact can irritate and burn the skin and eyes.  
**Organ Toxicity:** Repeated exposure may damage the nervous system and may affect the kidneys.  
**Acute Toxicity Data:** Not classified for acute toxicity based on available data.  
**Chronic Toxicity Data:** Repeated exposure may damage the nervous system and may affect the kidneys.  
California Proposition 65: This product may contain trace amounts of Benzene, Ethyl Benzene and Toluene, which are known to the state of California to cause cancer, birth defects or other reproductive harm.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems.  
**Environmental Fate:** This product will normally float on water. Solvents will evaporate and separate from solid constituent elements leaving them in the water. This material may be harmful to fish.

### 13. DISPOSAL CONSIDERATIONS

**Disposal:** Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the environment occurs or is likely to occur. Utilize an appropriate disposal facility, in compliance with federal, state and local environmental control regulations.

### 14. TRANSPORTATION INFORMATION

	DOT Classification	IMDG	IATA
UN Number	NA1993	UN1268	UN1268
UN Proper shipping name	Combustible liquid n.o.s. (Contains Petroleum Distillates, (nonane)	Petroleum Distillates, N.O.S. (nonane)	Petroleum Distillates n.o.s. (nonane)
Transport Hazard Class	Combustible Liquid	3 	3 
Packing Group	III	III	III
Environmental Hazards	No.	No.	No.

**DOT Classification:** Non-bulk packages (less than or equal to 119 gallons) of combustible liquids are not regulated as hazardous materials.

**Limited Quantity:** Yes

**Packaging Instructions:** Exceptions: 150. Non-bulk: 203. (not shipped bulk)

**Quantity Limitation:** Passenger aircraft/rail: 60 Liters. Cargo Aircraft: 220 L.

**Special Provisions:** 148, IB3, T1, T4, TP!

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**TDG Classification:** Product classified as per the following sections of the Transportation of Dangerous Good Regulations: 2.18-2.19 (class 3).

**IMDG: Emergency Schedules:** F-E, S-E  
**Special Provisions:** 223, 636, 955

**IATA: Quantity Limitation** Passenger and Cargo Aircraft: 60 Liters. Packaging Instructions: 355  
Cargo Aircraft Only: 220L Packaging Instructions : 366  
Limited quantities: Passenger Aircraft: 10 liters Packaging Instructions:Y344  
Special Provisions: A3

## **15. REGULATORY INFORMATION**

### **U.S. Federal Regulations**

**CERCLA:** No CERCLA reportable quantity has been established for this material.

**TSCA:** All ingredients of this material are listed on the TSCA inventory.

### **SARA Title III**

**Sections 302, 304, 313:** This product does not contain any substances reportable under these sections.

### **Sections 311, 312:**

#### **Hazard Classes Yes/No**

Fire Hazard Yes  
Reactivity Hazard No  
Pressure Hazard No  
Immediate Hazard No  
Delayed Hazard No

#### **International Inventory Status**

Canada (DSL) Yes  
Europe (EINECS/ELINCS) Yes  
Australia (AICS) Yes  
Japan (MITI) Yes  
South Korea (KECL) Yes

## **16. OTHER INFORMATION**

**NFPA:** Health: 1

Flammability: 3

Reactivity: 0

### **Key Legend Information**

**ACGIH** American Conference of Governmental Industrial Hygienists

**ARD** International Agency for Research on Cancer

**CAS** Chemical Abstract Service

**CERCLA** Comprehensive Environmental Response, Compensation & Liability Act

**DSL** Domestic Substance List

**HMIS** Hazardous Materials Identification System

**IATA** International Air Transport Association

**IMDG** International Maritime Dangerous Goods

**ND** Not Determined

**NE** Not Established

**NFPA** National Fire Protection Association

**NIOSH** National Institute for Occupational Safety & Health

**NTP** National Toxicology Program

**OSHA** Occupational Safety and Health Administration

**PEL** Permissible Exposure Limit

**RTECS** Registry of Toxic Effects of Chemical Substances

**SARA** Superfund Amendments & Reauthorization Act

**SARA Title III** Emergency Planning & Community Right to Know Act

**SARA Section 302** Extremely Hazardous Substances

**SARA Section 304** Emergency Release

**SARA Section 311** MSDS/List of Chemicals & Hazardous Inventory

**SARA Section 312** Emergency & Hazardous Inventory

**SARA Section 313** Toxic Chemicals & Release Reporting

**STEL** Short Term Exposure Limit

**TLV** Threshold Limit Value

**TWA** Time Weighted Average



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