

240-024

# MATERIAL SAFETY DATA SHEET

## FOGGING OIL SPRAY (AEROSOL)(11412, 11488)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME** FOGGING OIL SPRAY (AEROSOL) (11412, 11488)

**Product number** 8776110000

**PRODUCT USE** Lubricant

**DISTRIBUTOR** Plews & Edelman  
1550 Franklin Grove Road  
Dixon, IL 61021  
Tel: 800-545 - 1689

**EMERGENCY TELEPHONE** INFOTRAC  
U.S. and Canada - (800) 535-5053  
Outside the U.S. and Canada - +01-352-323-3500

**Date of last issue** 1-29-2015

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED	Mixture**(2)	60-80 %
*BUTANE	106-97-8	10-20 %
*PROPANE	74-98-6	10-20 %
TACKINESS AGENT	Proprietary	1-5 %

\* This chemical(s) is hazardous according to OSHA/WHIMIS criteria

**COMPOSITION COMMENTS**

Refer to section eight for exposure limits on ingredients.  
Chemical ingredients not regulated by OSHA or SARA are treated confidentially. \*\*(2)  
The base oil for this product can be a mixture of any of the following highly refined petroleum streams:  
CAS 64741-88-4; CAS 64741-89-5; CAS 64741-96-4; CAS 64741-97-5; CAS

64742-01-4; CAS 64742-52-5; CAS 64742-53-6; CAS 64742-54-7; CAS 64742-55-8; CAS 64742-56-9; CAS 64742-57-0; CAS 64742-62-7; CAS 64742-63-8; CAS 64742-65-0; CAS 72623-83-7; CAS 72623-85-9; CAS 72623-86-0; CAS 72623-87-1.  
Carcinogenicity: The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, solvent dewaxing and hydrotreating to remove aromatics and improve performance characteristics. All petroleum base oils contained in this product meet the IP 346 criteria of less than 3 percent PAH's and are not considered carcinogens by IARC, NTP or OSHA.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Extremely flammable liquid or liquefied gas.

#### HEALTH HAZARDS, GENERAL

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

#### SENSITIZATION

No known information.

#### CARCINOGENICITY

IARC: Not listed as a Group 1, 2A, or 2B agent. OSHA: Not regulated. NTP: Not listed.

#### TERATOGENICITY

No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

#### HEALTH WARNINGS

INHALATION. The solvent vapors can be harmful and cause headache, nausea and intoxication. Solvent vapor may cause respiratory irritation. SKIN CONTACT. The product/chemical has a defatting effect on the skin. Irritating. Repeated or prolonged contact can result in drying of the skin. EYE CONTACT. Irritating. INGESTION. Dangerous by ingestion.

#### ROUTE OF ENTRY

Inhalation. Skin and/or eye contact. Ingestion. Skin absorption.

### 4. FIRST AID MEASURES

#### INHALATION

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention.

#### EYES

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### SKIN

Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

#### INGESTION

DO NOT INDUCE VOMITING! If vomiting occurs spontaneously, lower head to avoid aspiration into the lungs. Contact a physician immediately. Rinse nose, mouth and throat with water. Drink large amounts of water. Do not give milk or oil.

### 5. FIRE FIGHTING MEASURES

#### FLASH POINT (°C)

-156 F(-104.4 C) Estimated.

#### FLAMMABILITY LIMIT - LOWER(%)

1.2

#### FLAMMABILITY LIMIT - UPPER(%)

9.5

#### EXTINGUISHING MEDIA

Use: Foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.

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**SPECIAL FIRE FIGHTING PROCEDURES**

Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. Use special protective clothing. Regular protection may not be safe. Prevent inhalation of fumes and gases.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Volume and pressure increases strongly when heated. Risk of container explosion in fire.

**HAZARDOUS COMBUSTION PRODUCTS**

Acrid smoke/fumes. Oxides of: Carbon.

**PROTECTIVE MEASURES IN CASE OF FIRE**

Self-contained breathing equipment and chemical resistant clothing recommended. In the event of fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of any SCBA may not be required.

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**6. ACCIDENTAL RELEASE MEASURES**

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**PERSONAL PRECAUTIONS**

Minimize skin contact. Avoid breathing vapors. Wear an appropriate respirator if exposure exceeds recommended guidelines. Remove sources of ignition.

**PRECAUTIONS TO PROTECT THE ENVIRONMENT**

Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.

**SPILL CLEAN-UP PROCEDURES**

Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Provide good ventilation. Use appropriate protective clothing. Rinse area with water. Do not let washing down water contaminate ponds or waterways.

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**7. HANDLING AND STORAGE**

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**HANDLING PRECAUTIONS**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Containers to be kept tightly closed. Eye wash and emergency shower must be available at the work place.

**STORAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Store at temperature below 122°F. Store separated from: Acids. Oxidizing materials.

**STORAGE CRITERIA**

Flammable liquid storage.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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COMPONENT	STD	TWA	STEL	TWA	STEL
LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED	OSHA			5 mg/m <sup>3</sup> as oil mist	mg/m <sup>3</sup> as oil mist
	ACGIH			5 mg/m <sup>3</sup> as nuisance dust	4 mg/m <sup>3</sup> as nuisance dust
BUTANE	OSHA	800 ppm			
	ACGIH	800 ppm			
PROPANE	OSHA	1000 ppm			
	ACGIH	1000 ppm	(C1-C4 Alkanes)		

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**PROTECTIVE EQUIPMENT****ENGINEERING CONTROLS**

Use engineering controls to reduce air contamination to permissible exposure level.

**VENTILATION**

No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

**RESPIRATORS**

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. In areas with inadequate ventilation, use approved chemical or mechanical filters designed to remove a combination of particles and vapor.

**PROTECTIVE GLOVES**

Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC. or latex.

**EYE PROTECTION**

Wear splash-proof eye goggles to prevent any possibility of eye contact.

**PROTECTIVE CLOTHING**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**HYGIENIC WORK PRACTICES**

Wash at the end of each work shift and before eating, smoking and using the toilet.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>APPEARANCE/PHYSICAL STATE</b>	Aerosol.		
<b>COLOR</b>	Clear.		
<b>ODOR</b>	Petroleum.		
<b>SOLUBILITY DESCRIPTION</b>	Insoluble in water.		
<b>BOILING POINT (°C, range)</b>	-44 F (-42.22 C) - 500 F (260 C)	<b>Pressure</b>	760mmHg
<b>SPECIFIC GRAVITY</b>	0.77		

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**10. STABILITY AND REACTIVITY**

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<b>STABILITY</b>	Normally stable.
<b>CONDITIONS TO AVOID</b>	Avoid contact with acids and oxidizing substances. Avoid heat, flames and other sources of ignition.
<b>HAZARDOUS POLYMERIZATION</b>	Will not polymerize.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of: Carbon.

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## 11. TOXICOLOGICAL INFORMATION

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**TOXICOLOGICAL INFORMATION**      No experimental toxicological data on the preparation as such is available.

<b>COMPONENT</b>	<b>LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED</b>
<b>TOXICOLOGICAL DATA</b>	Carcinogenicity. IP 346 <3%
<b>TOXIC DOSE - LD 50</b>	> 5000 mg/kg (oral rat)
<b>TOXIC DOSE - LD 50 SKIN</b>	> 2000 mg/kg (skn rbt)
<b>TOXIC CONC. - LC 50</b>	No Information Available (NIA).
<b>COMPONENT</b>	<b>BUTANE</b>
<b>TOXIC DOSE - LD 50</b>	No Information Available (NIA).
<b>TOXIC CONC. - LC 50</b>	658,000 mg/m <sup>3</sup> /4h (inh-rat)
<b>COMPONENT</b>	<b>PROPANE</b>
<b>TOXIC CONC. - LC 50</b>	No Information Available (NIA).
<b>COMPONENT</b>	<b>TACKINESS AGENT</b>

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## 12. ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION**      No data on possible environmental effects have been found.

<b>COMPONENT</b>	<b>LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED</b>
<b>COMPONENT</b>	<b>BUTANE</b>
<b>ECOTOXICOLOGICAL DATA</b>	WGK 0
<b>PARTITION COEFFICIENT (log Pow)</b>	2.89
<b>COMPONENT</b>	<b>PROPANE</b>
<b>ECOTOXICOLOGICAL DATA</b>	WGK 0
<b>PARTITION COEFFICIENT (log Pow)</b>	2.36
<b>COMPONENT</b>	<b>TACKINESS AGENT</b>

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## 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHODS**      Dispose of in accordance with Local Authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

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## 14. TRANSPORT INFORMATION

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**CLASSIFICATION COMMENT**

For US DOT ground transport purposes, in accordance with 49 CFR 173.306(i), aerosol containers with a capacity not exceeding 1 L (61.0 cubic inches) and meeting the other requirements of 49 CFR 173.306(a)(3), may be renamed "Consumer Commodity" and reclassified as "ORM-D" material.

**DOT PROPER SHIPPING NAME**

CONSUMER COMMODITY, ORM-D

**DOT HAZARD CLASS**

ORM-D (Other Regulated Material D).

**LABEL FOR TRANSPORT****PACKAGING INSTRUCTION**

Packaging instruction Y203 applies)

**TDGR SHIPPING NAME**

AEROSOLS, FLAMMABLE 2.1, LTD. QTY.

**UN No. SEA**

UN1950

**EmS No.**

F-D, S-U

**UN No., AIR**

UN1950

**ICAO CLASS**

AEROSOLS, FLAMMABLE, 2.1, LTD, QTY.

**AIR TRANSPORT NOTES**

Aerosols

**15. REGULATORY INFORMATION****US FEDERAL REGULATIONS****COMPONENT**

TACKINESS AGENT

LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED

BUTANE

PROPANE

**SARA 302****CERCLA****SARA 313**

No

No

No

No

No

No

No

No

No

No

No

No

**CLEAN AIR ACT****COMPONENT**

LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED

BUTANE

PROPANE

**CAA Accidental Release Preventior**

No

10 000 lbs

10 000 lbs

**SARA HAZARD CATEGORIES**

Acute Chronic Fire

**US STATE REGULATIONS****COMPONENT**

LUBRICATING OILS, PETROLEUM, BASE OILS,  
HIGHLY REFINED

BUTANE

**CA****MA****FL****MN****NJ****PA****RI**

No

No

No

No

No

Yes

No

No

No

Yes

No

Yes

Yes

No

PROPANE

No No Yes No Yes Yes No

**STATE REGULATORY STATUS**

CALIFORNIA PROPOSITION 65: This product \*\*\*DOES NOT\*\*\* contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**LABEL(S) FOR SUPPLY**



**CONTROLLED PRODUCT CLASSIFICATION**

B5 - Flammable Aerosols D2B - Irritating and/or Chronically Toxic Materials

**Risk phrases**

Classification per manufacturer.  
R-12 Extremely flammable.  
R-20 Harmful by inhalation.  
R-22 Harmful if swallowed.  
R-38 Irritating to skin.  
R-67 Vapours may cause drowsiness and dizziness.  
R-65 Also harmful: may cause lung damage if swallowed.  
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.  
Xn, F

**GLOBAL INVENTORIES**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN
PROPANE	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
TACKINESS AGENT	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED BUTANE	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

**USA (TSCA)**

All components in this product are listed on the US Toxic Substances Control Act (TSCA) Inventory or are exempt from TSCA Inventory requirements.

**CANADA (DSL)**

All components in this product are listed on the Canada Domestic Substances List (DSL) or are exempt from DSL requirements.

**EUROPE (EINECS/ELINCS/NLP)**

All components in this product are listed on the European Inventory of New and Existing Chemical Substances (EINECS), the European List of Notified Chemical Substances (ELINCS), or the No Longer Polymers (NLP) list, or are exempt from EU listing requirements.

**JAPAN (ENCS)**

All components in this product are listed on the Japan Inventory of Existing and New Chemical Substances (ENCS) or are exempt from ENCS requirements.

**PHILIPPINES (PICCS)**

All components in this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) or are exempt from PICCS requirements.

<b>AUSTRALIA (AICS)</b>	All components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt from AICS requirements.
<b>KOREA (ECL)</b>	All components in this product are listed on the Korea Existing Chemicals List (ECL) or are exempt from KECL requirements.
<b>CHINA (IECS)</b>	All components in this product are listed on the China Inventory of Existing Chemical Substances (IECS) or are exempt from IECS requirements.

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## 16. OTHER INFORMATION

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### NFPA-HMIS HAZARD RATING

<b>HEALTH</b>	Irritation, minor residual injury (1) - HMIS/NFPA
<b>FLAMMABILITY</b>	Extremely flammable (4) - HMIS/NFPA
<b>REACTIVITY</b>	Normally Stable (0) - HMIS/NFPA
<b>NPCA HMIS HAZARD INDEX</b>	Slight: Slightly Toxic - May cause slight irritation (1).
<b>PERSONAL PROTECTION INDEX</b>	B - Safety Eyewear and Gloves
<b>NPCA HMIS FLAMMABILITY INDEX</b>	Extremely flammable (4).
<b>NPCA HMIS REACTIVITY INDEX</b>	Normally stable (0).
<b>Tariff Code (Schedule B)</b>	2710.19.3080 Other lubricating oils, with or without additives.

**Replacement of MSDS generated** 2005-11-04

**DATE** 1-29-2015

**DISCLAIMER** While the information and recommendations set forth herein are believed to be accurate as of the date thereof, the company makes no warranty with respect thereto and disclaims all liability from reliance therein.

\* Information revised since previous MSDS version