



## 1. IDENTIFICATION

### Product Identifier

**Product Name** Fluid Film<sup>®</sup> Aerosol (AS)  
**Product Type** Liquid, lubricant, Corrosion inhibitor

### Other means of identification

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Corrosion inhibitor, lubricant

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

**Supplier Name** Eureka Chemical Company  
**Supplier Address** 234 Lawrence Ave  
 South San Francisco, CA 94080  
 US  
**Supplier Phone Number** Phone: 650-761-3536  
 Fax: 650-589-1943  
 Contact Phone: 1-650-761-3536  
**Supplier Email** info@fluid-film.com  
**Emergency telephone number** Chemtrec (800) 424-9300

## 2. HAZARDS IDENTIFICATION


### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable Aerosols	Category 1
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### GHS Label elements, including precautionary statements

#### Emergency Overview

<b>Signal word</b>	Danger		
<b>Hazard Statements</b>	Extremely flammable aerosol		
			
<b>Appearance</b>	Straw-colored liquid	<b>Physical State</b>	Liquid spray Aerosol
		<b>Odor</b>	Mild piney odor

**Precautionary Statements - Prevention**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Use personal protective equipment as required.  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Pressurized container; Do not pierce or burn, even after use.  
 Do not spray on an open flame or other ignition source.

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

**Precautionary Statements - Disposal**

Product should be disposed of via authorized waste disposal contractors in accordance with all local and national regulations.

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

No information available.

**Other Information**

No information available.

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trade Secret
Refined petroleum oil, hydrotreated heavy paraffinic	64742-54-7	40 - 80	*
Petroleum gases, liquified, sweetened	68476-86-8	1 - 25	*
Calcium petroleum sulfonate	61789-86-4	1 - 10	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, also under the eyelids. If symptoms persist, call a physician.

**Skin Contact**

Wipe excess material from the skin with a cloth, followed by washing with soap and water. A waterless skin cleanser is beneficial in removing the material from the skin. In the case of skin irritation or allergic reactions, see a physician.

**Inhalation**

If respiratory symptoms develop, remove to fresh air. If symptoms persist, call a physician.

**Ingestion**

Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

<b>5. FIRE-FIGHTING MEASURES</b>
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**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO2). Foam.

**Unsuitable Extinguishing Media**

DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

**Specific Hazards Arising from the Chemical**

Some may burn but none ignite readily. Ruptured cylinders may rocket.

**Uniform Fire Code** Aerosols: Level III

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

**Protective equipment and precautions for firefighters**

Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

<b>6. ACCIDENTAL RELEASE MEASURES</b>
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**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Stop leak if you can do it without risk.

**Other Information** Ventilate the area.

**Environmental Precautions**

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Do not puncture or incinerate cans. Contents under pressure. Avoid breathing vapors or mists. Avoid contact with eyes. Keep away from open flames, hot surfaces and sources of ignition.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Refined petroleum oil, hydrotreated heavy paraffinic 64742-54-7	TWA: 5 mg/m <sup>3</sup> , as oil mist, mineral STEL: TWA: 10 mg/m <sup>3</sup> , as oil mist, mineral	TWA: 5 mg/m <sup>3</sup> , as oil mist, mineral	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** No special protective equipment required. Use chemical eye goggles in tanks and confined spaces.

**Skin and Body Protection** Wear protective gloves and protective clothing.

**Respiratory Protection** No protective equipment is needed under normal use conditions. Use approved respirator with organic vapor cartridges in tanks and confined spaces. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

**Physical State** Liquid spray Aerosol

<b>Appearance</b>	Amber	<b>Odor</b>	Mild piney odor
<b>Color</b>	Straw-colored	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks/ Method</b>	
pH	7.8	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	207 C / 405 F (less propellant)	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	0.880 (less propellant)	None known	
Water Solubility	Insoluble in water	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autolignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive properties	No data available		
Oxidizing Properties	No data available		

**Other Information**

Softening Point	No data available
VOC Content (%)	< 25% (CARB 310)
VOC Content	< 219 g/L
Particle Size	No data available
Particle Size Distribution	

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Inhalation</b>	Specific test data for the substance is not available.
<b>Eye Contact</b>	Minimally irritating.
<b>Skin Contact</b>	Prolonged contact could cause skin irritation.
<b>Ingestion</b>	> 5000 mg/kg (Rat)

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium petroleum sulfonate 61789-86-4	> 5000 mg/kg ( Rat )	> 4000 mg/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	There is no data available for this product.
<b>Carcinogenicity</b>	Contains no known carcinogens.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No information available.
<b>Target Organ Effects</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document  
Not applicable

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No information available.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Disposal methods**

Product should be disposed of via authorized waste disposal contractors in accordance with all local and national regulations. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

## 14. TRANSPORT INFORMATION

**DOT**

Proper Shipping Name	CONSUMER COMMODITY
Hazard Class	ORM-D
Description	CONSUMER COMMODITY, ORM-D
Emergency Response Guide Number	126

**TDG**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Description	UN1950, AEROSOLS, 2.1

**MEX**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Description	UN1950, AEROSOLS, 2.1

**ICAO**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Description	UN1950, AEROSOLS, 2.1

**IATA**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS, FLAMMABLE
Hazard Class	2.1
Description	UN1950, AEROSOLS, FLAMMABLE, 2.1

**IMDG/IMO**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
EmS No.	F-D, S-U
Description	UN1950, AEROSOLS, 2.1

**RID**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Classification code	5F
Description	UN1950, AEROSOLS, 2.1

**ADR**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Classification code	5F
Tunnel restriction code	(D)
Description	UN1950, AEROSOLS, 2.1

**ADN**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.1
Classification code	5F
Special Provisions	190, 327, 344, 625
Description	UN1950, AEROSOLS, 2.1
Limited Quantity	1 L
Ventilation	VE01, VE04

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

**VOC Regulations**

This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.



**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Propane 74-98-6	X	X	X		
N-Butane 106-97-8	X	X	X		
Isobutane 75-28-5	X	X	X		
1,1-Difluoroethane 75-37-6	X	X			

**International Regulations**

Canada

WHMIS Hazard Class

A - Compressed gases

B5 - Flammable aerosol



**16. OTHER INFORMATION**

NFPA	Health Hazards 0	Flammability 4	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazards 0	Flammability 4	Physical Hazard 0	Personal Protection X

Chronic Hazard Star Legend \* = Chronic Health Hazard

Prepared By Product Stewardship  
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Latham, NY 12110  
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**Disclaimer**

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End of Safety Data Sheet