



SAFETY DATA SHEET

Revision Date 01/01/2023

1. IDENTIFICATION

Product identifier

Product Name **Fluid Film® 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

GHS Label elements, including precautionary statements

Emergency Overview

| | | | |
|---|-----------------------------|----------------|----------------------|
| Signal word | Danger | | |
| Hazard Statements | Extremely flammable aerosol | | |
|  | | | |
| Appearance | Straw-colored liquid | Physical State | Liquid spray Aerosol |
| | | | Odor Mild wax 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 | * |
| Benzenesulfonic Acid, Di-C10-18-alkyl derivs., calcium salts | 93820-57-6 | 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.

5. FIRE-FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

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 ³ , as oil mist, mineral STEL: TWA: 10 mg/m ³ , as oil mist, mineral | TWA: 5 mg/m ³ , 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

| Property | Values | Remarks/ Method |
|--|---------------------------------|--------------------------|
| Appearance | Amber | |
| Color | Straw-colored | |
| | | Odor |
| | | Odor Threshold |
| | | Mild wax odor |
| | | No information available |
| <u>Property</u> | <u>Values</u> | <u>Remarks/ Method</u> |
| 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 |
| Autoignition 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

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

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------------------|-----------------|
| Benzenesulfonic Acid, calcium salts 93820-57-6 | > 5000 mg/kg (Rat) | > 2000 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

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

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End of Safety Data Sheet