**SECTION 1: Identification**

1. **Identification**

   **Product form**: Mixtures
   **Product name**: AFS Filter Oil

2. **Relevant identified uses of the substance or mixture and uses advised against**

   **Recommended use**: Filter, Lubricant

3. **Details of the supplier of the safety data sheet**

   Aerospace Filtration Systems, Inc.
   17891 Chesterfield Airport Rd
   Chesterfield, MO 63005-1211 - USA
   T 636-300-5200

4. **Emergency telephone number**

   **Emergency number**: 800-424-9300 (CCN 6862)

**SECTION 2: Hazard(s) identification**

2.1. **Classification of the substance or mixture**

   **GHS-US classification**: Not classified

2.2. **Label elements**

   **GHS-US labelling**: No labelling applicable

2.3. **Other hazards**

   No additional information available

2.4. **Unknown acute toxicity (GHS US)**

   - 2.12% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
   - 2.13% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
   - 2.13% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

**SECTION 3: Composition/information on ingredients**

3.1. **Substances**

   Not applicable

3.2. **Mixtures**

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO &lt; 3%)</td>
<td>(CAS No) 64742-65-0</td>
<td>85 – 100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

   - **First-aid measures general**: If you feel unwell, seek medical advice (show the label where possible).
   - **First-aid measures after inhalation**: Remove person to fresh air and keep comfortable for breathing. Artificial respiration and/or oxygen if necessary. Get medical advice/attention.
   - **First-aid measures after skin contact**: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.
   - **First-aid measures after eye contact**: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.
   - **First-aid measures after ingestion**: Do NOT induce vomiting. Rinse mouth. Sip water. Get medical advice/attention.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries : No significant signs or symptoms indicative of any health hazard are expected to occur.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures
5.1. Extinguishing media
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture
Fire hazard : Burning produces irritating, toxic and noxious fumes.
Reactivity : No dangerous reactions known.

5.3. Advice for firefighters
Firefighting instructions : Cool adjacent structures and containers with water spray to protect and prevent ignition.
Protection during firefighting : Firefighting personnel should wear full protective gear and a MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus (SCBA) in pressure-demand mode.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
General measures : Use personal protective equipment as required.

6.1.1. For non-emergency personnel
Protective equipment : Refer to section 8.2.
Emergency procedures : Eliminate ignition sources.

6.1.2. For emergency responders
Protective equipment : Refer to section 8.2.
Emergency procedures : Stop leak if safe to do so.

6.2. Environmental precautions
Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
For containment : Stop the flow of material, if this is without risk. Eliminate all ignition sources. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Take up in non-combustible absorbent material and shove into container for disposal.
Other information : Spilled material may present a slipping hazard.

6.4. Reference to other sections
Section 7: safe handling. Section 13: disposal information. Section 8: personal protective equipment.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Keep container closed when not in use.
Storage area : Store in a dry, cool area.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
<table>
<thead>
<tr>
<th></th>
<th>ACGIH TWA (mg/m³)</th>
<th>ACGIH STEL (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO &lt; 3%)</td>
<td>5 mg/m³ oil mist</td>
<td>10 mg/m³ oil mist</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>
8.2. Exposure controls
Appropriate engineering controls : Avoid splashing. Ensure good ventilation of the work station. Emergency safety showers should be available in the immediate vicinity of any potential exposure. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear suitable gloves resistant to chemical penetration.
Eye protection : In case of splashing or aerosol production: protective goggles.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : None under normal use. In case of inadequate ventilation wear respiratory protection. NIOSH Approved respirator.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
Physical state : Liquid
Colour : red
Odour : mild
Odour threshold : No data available
pH : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : > 263.3 °C
Flash point : 198.3 °C
Relative evaporation rate (butylacetate=1) : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : 0.872
Solubility : No data available
Log Pow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : > 20 cSt @ 37.8 °C
Viscosity, dynamic : No data available
Explosive limits : No data available
Explosive properties : No data available
Oxidising properties : No data available
9.2. Other information
VOC content : 9.3 g/l

SECTION 10: Stability and reactivity
10.1. Reactivity
No dangerous reactions known.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.
10.4. Conditions to avoid
Keep away from sources of ignition. Heat.
10.5. Incompatible materials
10.6. Hazardous decomposition products
Thermal decomposition generates : Carbon monoxide. Asphyxiant gas.
### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Likely routes of exposure</th>
<th>Inhalation; Skin and eye contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)**

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 5000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

- Skin corrosion/irritation: Not classified
- Serious eye damage/irritation: Not classified
- Respiratory or skin sensitisation: Not classified
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Not classified
- Reproductive toxicity: Not classified
- Specific target organ toxicity (single exposure): Not classified
- Specific target organ toxicity (repeated exposure): Not classified
- Aspiration hazard: Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general: No ecotoxicological data about this product are known.

#### 12.2. Persistence and degradability

**AFS Filter Oil**

Persistence and degradability: Not established.

**Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)**

Persistence and degradability: Not established.

#### 12.3. Bioaccumulative potential

**AFS Filter Oil**

Bioaccumulative potential: Not established.

**Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)**

Bioaccumulative potential: Not established.

#### 12.4. Mobility in soil

**AFS Filter Oil**

Ecology - soil: Not established.

#### 12.5. Other adverse effects

Other information: No additional information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Sewage disposal recommendations: Do not dispose of waste into sewer.
- Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

**Department of Transportation (DOT)**

In accordance with DOT

Not regulated.

**TDG**

Not regulated.

**Transport by sea**

Not regulated.
SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)
Listed on the Canadian DSL (Domestic Substances List) inventory

EU-Regulations

Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on Taiwan National Chemical Inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

15.3. US State regulations

AFS Filter Oil

State or local regulations
California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Data sources
ACGIH (American Conference of Government Industrial Hygienists).

Other information
None.

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service number</td>
</tr>
<tr>
<td>EC50</td>
<td>Environmental Concentration associated with a response by 50% of the test population</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System (of Classification and Labeling of Chemicals)</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose for 50% of the test population</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety &amp; Health Administration</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limits</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
</tbody>
</table>
AFS Filter Oil
Safety Data Sheet

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard: 1 - Must be preheated before ignition can occur.
NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.

SDS Prepared by: The Redstone Group, LLC.
6077 Frantz Rd
Suite 206
Dublin, Ohio USA 43016
614.923.7472
www.redstonegrp.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.