Red Gage Fluid
Safety Data Sheet

Issue date: 05/14/2013 Revision date: 03/17/2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

| Product name. | : | Red Gage Fluid |
| Use of the substance/mixture | : | Gage Fluid |

1.3. Details of the supplier of the safety data sheet

Dwyer Instruments, Inc.
102 Highway 212
Michigan City, IN 46361
T 219-879-8868 - F 219-872-9057

1.4. Emergency telephone number

Emergency number | : | Call CHEMTREC day or night. Domestic North America call- 800-424-9300; International call - 703-527-3887 (collect accepted) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 4 H227
Carc. 1B H350
Asp. Tox. 1 H304

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) | : | GHS08 |

Signal word (GHS-US) | : | Danger |

Hazard statements (GHS-US) | : | H227 - Combustible liquid
H304 - May be fatal if swallowed and enters airways
H350 - May cause cancer |

Precautionary statements (GHS-US) | : | P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P308+P313 - IF exposed or concerned: Get medical advice/attention
P331 - If swallowed, do NOT induce vomiting
P370+P378 - In case of fire: Use ... for extinction
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to ... |

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>(CAS No.) 64742-47-8</td>
<td>40-70</td>
<td>Not classified</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light naphthenic</td>
<td>(CAS No.) 64742-53-6</td>
<td>1-5</td>
<td>Not classified</td>
</tr>
<tr>
<td>C.I. Solvent Red 164</td>
<td>(CAS No.) 71819-51-7</td>
<td>0.1-1</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

First-aid measures after skin contact: For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

First-aid measures after eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention or advice.

First-aid measures after ingestion: If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: May cause skin irritation.

Symptoms/injuries after eye contact: May cause eye irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use foam, dry chemical or water spray to extinguish fire.

Unsuitable extinguishing media: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard: None known.

Explosion hazard: None known.

5.3. Advice for firefighters

Protection during firefighting: Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Avoid contact with the skin and the eyes. Wear appropriate protective clothing and respiratory protection for the situation.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Stop the flow of material, if this is without risk.

Methods for cleaning up: Absorb spill with inert material. Shovel or sweep up and put in a closed container for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep the container tightly closed and in a cool, well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No exposure limits have been established for any of this product’s components.
8.2. Exposure controls
Appropriate engineering controls: Ensure exposure is below occupational exposure limits (where available).
Hand protection: Use impervious gloves such as neoprene, nitrile, or rubber for hand protection.
Eye protection: Wear safety glasses; chemical goggles (if splashing is possible).
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
Physical state: Liquid
Color: Red
Odor: Characteristic
Odor threshold: No data available
pH: 5.78
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: 72.2 °C (162 °F)
Self ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Specific gravity: 0.826
Solubility: Insoluble.
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidizing properties: No data available
Explosive limits: No data available
9.2. Other information
No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
Will not occur.
10.4. Conditions to avoid
Avoid heat, open flames and ignition sources.
10.5. Incompatible materials
Oxidizing materials.
10.6. Hazardous decomposition products
Decomposes to form toxic compounds.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity: Not classified
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**Petroleum distillates, hydrotreated light (64742-47-8)**

| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5.2 mg/l (Exposure time: 4 h) |

**Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)**

| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | 2.18 mg/l (Exposure time: 4 h) |

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: May cause cancer.
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Petroleum distillates, hydrotreated light (64742-47-8)**

| LC50 fishes 1 | 45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 4720 mg/l (Exposure time: 96 h - Species: Dendronereides heteropoda) |
| LC50 fish 2 | 2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |

**Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)**

| LC50 fishes 1 | > 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| EC50 Daphnia 1 | > 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

**Petroleum distillates, hydrotreated light (64742-47-8)**

| BCF fish 1 | 61 - 159 |

**12.4. Mobility in soil**

No additional information available

**12.5. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations: Dispose of contents/container in accordance with local/regional/national/international regulations.

**SECTION 14: Transport information**

In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA

**14.1. UN number**

DOT NA no.: NA1993

**14.2. UN proper shipping name**

DOT Proper Shipping Name: Combustible liquid, n.o.s. (Petroleum distillates, hydrotreated light)
Department of Transportation (DOT) Hazard Classes: COMB LIQ – Combustible liquid 49 CFR 172.101 (d)(4)
DOT Symbols: D - Proper shipping name for domestic use only, or to and from Canada
G - Identifies PSN requiring a technical name
Packing group (DOT): III - Minor Danger
**DOT Special Provisions (49 CFR 172.102)**: IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H21 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T1 - 1.5 178.274(d)(2) Normal............. 178.275(d)(2) T4 - 2.65 178.274(d)(2) Normal............. 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees Celsius of the liquid during filling.

**DOT Packaging Exceptions (49 CFR 173.xxx)**: 150

**DOT Packaging Non Bulk (49 CFR 173.xxx)**: 203

**DOT Packaging Bulk (49 CFR 173.xxx)**: 241

**International Air Transport Association (IATA)**: Not classified as hazardous by IATA DGR.

### 14.3. Additional information

**Other information**: No supplementary information available.

**Overland transport**

No additional information available

**Transport by sea**

DOT Vessel Stowage Location: A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

**Air transport**

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 220 L

IATA Quantity Limitations Passenger and Cargo aircraft: Not applicable

### SECTION 15: Regulatory information

**15.1. US Federal regulations**

- **Petroleum distillates, hydrotreated light (64742-47-8)**: Listed on the United States TSCA (Toxic Substances Control Act) inventory.

- **Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)**: Listed on the United States TSCA (Toxic Substances Control Act) inventory.

**15.2. International regulations**

**CANADA**

- **Petroleum distillates, hydrotreated light (64742-47-8)**: Listed on the Canadian DSL (Domestic Substances List) inventory.

- **Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)**: Listed on the Canadian DSL (Domestic Substances List) inventory.

**15.3. US State regulations**

- **Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)**: U.S. - Massachusetts - Right To Know List

**California Proposition 65**: Contains no substances known to the State of California to cause cancer or reproductive harm.
### SECTION 16: Other information

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-Phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Carc. 1B</td>
<td>Carcinogenicity Category 1B</td>
</tr>
<tr>
<td>Flam. Liq. 4</td>
<td>Flammable liquids Category 4</td>
</tr>
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<td>H304</td>
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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.