



# RADCOLUBE® 2135

## Safety Data Sheet

**MIL-PRF-17672F ISO VISCOSITY GRADE 68, MILITARY SYMBOL 2135-T-H, GRADE CODE C Hydraulic Fluid, Petroleum, Inhibited**

Issue date: 4/21/2021

Revision date: 8/8/2025

Supersedes: 4/29/2025

Version: 10.0

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

## SECTION 1: Identification

### 1.1. Identification

Trade name	RADCOLUBE® 2135
Radco Product Code:	2135 (16008-B)
Specification:	MIL-PRF-17672F ISO Viscosity Grade 68, Military Symbol 2135-T-H, Grade Code C Hydraulic Fluid, Petroleum, Inhibited
Qualification Number (Date):	NAVSEA Letter Ser 05S/2016-001 (8 January 2016)
Military Symbol:	2135-T-H
National Stock Number(s) (NSN):	9150-00-985-7237 5 Gallon Pail 9150-00-584-2560 55 Gallon Drum

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture:	This specification covers petroleum base hydraulic fluids for use in hydraulic systems and in other applications where a high-grade hydraulic fluid having anti-corrosion and anti-oxidation properties are required. This hydraulic fluid is not an extreme pressure (EP) or anti-wear (AW) fluid. This hydraulic fluid should not be used in systems where a fire-resistant fluid is required.
Use of the substance/mixture:	Hydraulic fluids and additives
Recommended use:	Hydraulic fluids

### 1.3. Supplier

#### Manufacturer

Radco Industries L.L.C.  
CAGE Code 6ZS16  
700 Kingsland Drive  
Batavia, Illinois 60510  
United States  
T (630) 232-7966  
[www.radcoind.com](http://www.radcoind.com)

### 1.4. Emergency telephone number

Emergency number:	For Chemical Emergency Call CHEMTREC 24hr/day 7days/week Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)
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## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

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## **GHS US classification**

Not classified

## **2.2. GHS Label elements, including precautionary statements**

### **GHS US labeling**

No labeling applicable

## **2.3. Other hazards which do not result in classification**

No additional information available

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

Not applicable

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## **SECTION 3: Composition/Information on ingredients**

### **3.1. Substances**

Not applicable

### **3.2. Mixtures**

This mixture does not contain any substances to be mentioned according to the criteria for section 3.2 of HCS

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## **SECTION 4: First-aid measures**

### **4.1. Description of first aid measures**

First-aid measures general:	Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact:	Wash skin with plenty of water.
First-aid measures after eye contact:	Rinse eyes with water as a precaution.
First-aid measures after ingestion:	Call a poison center/doctor/physician if you feel unwell.

### **4.2. Most important symptoms and effects (acute and delayed)**

Symptoms/effects after inhalation:	Harmful if inhaled.
Symptoms/effects after skin contact:	None under normal conditions.
Symptoms/effects after eye contact:	None under normal conditions.
Symptoms/effects after ingestion:	None under normal conditions.

### **4.3. Immediate medical attention and special treatment, if necessary**

Treat symptomatically.

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## **SECTION 5: Fire-fighting measures**

### **5.1. Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media:	Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media:	Do not use a heavy water stream.

### **5.2. Specific hazards arising from the chemical**

Fire hazard:	No fire hazard.
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Explosion hazard: No direct explosion hazard.  
Hazardous decomposition products in case of fire: Toxic fumes may be released.

### **5.3. Special protective equipment and precautions for fire-fighters**

Firefighting instructions: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

General measures: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material-damage.

#### **6.1.1. For non-emergency personnel**

Protective equipment: Wear recommended personal protective equipment.  
Emergency procedures: Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray.

#### **6.1.2. For emergency responders**

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

### **6.2. Environmental precautions**

Avoid release to the environment.

### **6.3. Methods and material for containment and cleaning up**

For containment: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.  
Methods for cleaning up: Take up liquid spill into absorbent material.  
Other information: Dispose of materials or solid residues at an authorized site.

### **6.4. Reference to other sections**

For further information refer to section 13.

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Additional hazards when processed: Not expected to present a significant hazard under anticipated conditions of normal use.  
Precautions for safe handling: Wear personal protective equipment. Use only outdoors or in a well-ventilated area.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures:	Keep in a cool, well-ventilated place away from heat.
Storage conditions:	Keep cool. Protect from sunlight.
Packaging materials:	Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>RADCOLUBE® 2135</b>
No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls:	Ensure good ventilation of the work station.
Environmental exposure controls:	Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

<b>Hand protection:</b>
Protective gloves
<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
[In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Liquid.
Color:	Light yellow to brown

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Odor:	Petroleum-like odor
Odor threshold:	No data available
pH:	No data available
Melting point:	Not applicable
Freezing point:	≤ -18 °C (ASTM D97 Pour point)
Boiling point:	No data available
Flash point:	> 171 °C (ASTM D92 Flash point)
Relative evaporation rate (butyl acetate=1):	No data available
Flammability:	Not applicable.
Vapor pressure:	No data available
Relative vapor density at 20°C:	No data available
Relative density:	0.8738 at 15.6°C (Water = 1)
Solubility:	Material insoluble in water.
Partition coefficient n-octanol/water (Log Pow):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	66.1 (61.2 – 73.1) mm <sup>2</sup> /s at 40°C (104°F)
Viscosity, dynamic:	No data available
Explosion limits:	No data available
Explosive properties:	Not classified as explosive according to EC criteria, but may present risks in the event of a fire.
Oxidizing properties:	No data available

**9.2. Other information**

No additional information available

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**SECTION 10: Stability and reactivity****10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

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### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
Skin corrosion/irritation:	Not classified
Carcinogenicity:	Not classified
Aspiration hazard:	Not classified
Viscosity, kinematic:	66.1 (61.2 – 73.1) mm <sup>2</sup> /s at 40°C (104°F)
Symptoms/effects after inhalation:	Harmful if inhaled.
Symptoms/effects after skin contact:	None under normal conditions.
Symptoms/effects after eye contact:	None under normal conditions.
Symptoms/effects after ingestion:	None under normal conditions.
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Reproductive toxicity:	Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

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**SECTION 13: Disposal considerations****13.1. Disposal methods**

Regional waste regulation:	Disposal must be done according to official regulations.
Waste treatment methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations:	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations:	Disposal must be done according to official regulations.
Additional information:	Do not re-use empty containers.

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**SECTION 14: Transport information**

In accordance with DOT / TDG / IMDG / IATA / ICAO / ADN / RID / ADG

**14.1. UN number**

Not regulated for transport

**14.2. UN proper shipping name**

Proper Shipping Name (DOT):	Not applicable
Proper Shipping Name (TDG):	Not applicable
Proper Shipping Name (IMDG):	Not applicable
Proper Shipping Name (IATA):	Not applicable

**14.3. Transport hazard class(es)****DOT**

Transport hazard class(es) (DOT):	Not applicable
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**TDG**

Transport hazard class(es) (TDG):	Not applicable
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**IMDG**

Transport hazard class(es) (IMDG):	Not applicable
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**IATA**

Transport hazard class(es) (IATA):	Not applicable
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**14.4. Packing group**

Packing group (DOT):	Not applicable
Packing group (TDG):	Not applicable
Packing group (IMDG):	Not applicable
Packing group (IATA):	Not applicable

**14.5. Environmental hazards**

Other information:	No supplementary information available.
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### **14.6. Special precautions for user**

#### **DOT**

No data available

#### **TDG**

No data available

#### **IMDG**

No data available

#### **IATA**

No data available

### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

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## **SECTION 15: Regulatory information**

### **15.1. US Federal regulations**

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to 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**

No additional information available

#### **EU-Regulations**

No additional information available

#### **National regulations**

No additional information available

### **15.3. US State regulations**

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

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## **SECTION 16: Other information**

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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NFPA health hazard 1 - Materials that, under emergency conditions, can cause significant irritation.

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# RADCOLUBE® 2135

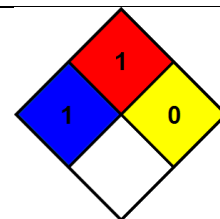
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NFPA fire hazard 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

Health 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular process or for any particular purpose. Such information stated is to the best of Radco's knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made to its accuracy, reliability, or completeness, purchasers, users and distributors are not relying on any promise, representation, or recommendation made by Radco, and Radco does not accept liability for any loss or damage that may occur from the use of this information. Final determination of suitability of any material is the sole responsibility of the user. All material should be used with caution to guard against unknown hazards. Although certain hazards are described herein, Radco does not guarantee that these are the only hazards that exist.