



RADCOLUBE® RHP6083 HYDRAULIC FLUID
MIL-PRF-6083F
MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

RADCOLUBE® RHP6083 HYDRAULIC FLUID, PETROLEUM BASE

Meets Military Specification MIL-PRF-6083F

NSNs: 9150-00-935-9807, 9150-00-935-9808, 9150-00-935-9809, 9150-00-935-9810

Company Identification

Radco Industries Inc.

PO BOX 305

LaFox, IL 60147

ISO 9001:2000 Certification Number: C2009-00209

Customer information number: 1-630-232-7966

Shipping emergency or off hour rush orders number: 1-630-336-6728

EMERGENCY TELEPHONE NUMBER

Advisory Office in case of poisoning:

Chemtrec (North America): 1-800-424-9300

Chemtrec al (International): 1-703-527-3887

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	% by Weight	CAS
Hydrotreated light naphthenic distillate	50 – 70%	64742-53-6
Acrylic Copolymer	10 – 30%	None established
Proprietary Additive Package	10 – 30%	None established

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview

Potential Health Effects

Eye

Slight irritation expected.

Ingestion

Significant adverse health effects are not expected if small amounts (less than a mouthful) are swallowed.

Inhalation

Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.

Skin Contact

Slight irritation expected.

**SECTION 3. HAZARDS IDENTIFICATION continued****HMIS**

Health: 1	Fire: 1	Reactivity: 0
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NFPA Codes

Health: 1	Fire: 1	Reactivity: 0
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SECTION 4. FIRST AID MEASURES**Eyes**

Immediately flush eyes with plenty of water for at least 15 minutes.

Ingestion

If swallowed, drink plenty of water, DO NOT induce vomiting. Immediately call a doctor.

Inhalation

If adverse effects occur, remove to uncontaminated area. Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Skin

Wash exposed skin with soap and water.

SECTION 5. FIRE FIGHTING MEASURES**Suitable Extinguishing Media**

Agents approved for Class B hazards:

- Dry chemical
- Carbon dioxide
- Halogenated agents
- Foam
- Steam
- Water fog

Fire Fighting Equipment

Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

None Identified.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Action to take for spills/leaks**

Prevent spreading by diking, ditching, or absorbing on inert materials. Keep out of sewers and waterways.

SECTION 7. HANDLING AND STORAGE**Handling**

Do not breathe vapors. Avoid ingestion.

Storage

Store at temperatures between 10°C and 50°C.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure guidelines**

Component	CAS#	OSHA PEL		ACGIH TLV	
		TWA	STEL	TWA	STEL
Hydrotreated light naphthenic distillate	64742-53-6	5 mg/m ³ (oil mist)	-	5 mg/m ³ (oil mist)	10 mg/m ³ (oil mist)
Acrylic Copolymer	-	-	-	-	-
Proprietary Additive Package	-	-	-	-	-

Eye protection

Safety glasses, chemical goggles, or face shields recommended to prevent contact.

Skin protection

Wear clothing and gloves that are impenetrable by chemicals or oil.

Ventilation

Use with adequate ventilation. Avoid breathing vapor. If heated and ventilation is inadequate, use NIOSH certified respirator, which will protect against organic vapor.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red liquid
Odor:	Light bland petroleum
pH:	Not determined
Boiling point:	Not determined
Flash point (COC):	> 100°C
Fire point (COC):	Not determined
Flammability Classification:	Not flammable
Autoignition temperature:	Not determined
Solubility in water:	< 0.1%
Specific gravity at 15.6°C (60°F):	0.87
Vapor Pressure at 20°C (68°F):	< 1 mmHg
Viscosity at 100°C (212°F), minimum:	> 4.9 cSt

SECTION 10. STABILITY AND REACTIVITY**Conditions to avoid**

Temperature sources which induce thermal decomposition.

Dangerous reactions

No dangerous reactions known.



SECTION 10. STABILITY AND REACTIVITY continued

Hazardous polymerization

Will not occur

Hazardous decomposition products

Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

Materials to avoid

Avoid contact with strong oxidizing agents.

Stability

Stable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Dermal LD50

Testing not conducted. See other Toxicity Data.

Eye

Testing not conducted. See other Toxicity Data.

Inhalation LD50

Testing not conducted. See other Toxicity Data.

Oral LD50

Testing not conducted. See other Toxicity Data.

Skin irritation

Testing not conducted. See other Toxicity Data.

Sensitization

Testing not conducted. See other Toxicity Data.

SECTION 12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

SECTION 13. DISPOSAL INFORMATION

Disposal must be in accordance with applicable federal, state, or local regulations.

Do not allow product to reach ground water, water course, or sewage systems.

RCRA

This unused material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable, or reactive according to U.S. EPA definitions (40 CFR Subpart C). This material could also become hazardous waste if it is mixed with or comes into contact with a listed hazardous waste. If it is a hazardous waste, regulations in 40 CFR 262-266, 268, 270, and 279 may apply.



SECTION 14. TRANSPORT INFORMATION

U.S. Dept. of Transportation Shipping Name

Not regulated.

Canadian Transportation of Dangerous Goods Shipping Name

Not regulated.

European Rail/Road (ADR/RID) Shipping Name

Not regulated.

Air (ICAO/IATA) Shipping Name

Not regulated.

Sea (IMO/IMDG)

Not regulated.

SECTION 15. REGULATORY INFORMATION

United States Regulatory Information

California (Proposition 65)

This product does not contain any of the substances known to the State of California to cause cancer, birth defects, or reproductive harm.

CERCLA Reportable Quantity

This product is not reportable under 40 CFR Part 302.4.

Environmental Protection Agency

None of the ingredients are listed

National Toxicology Program (NTP)

None of the ingredients are listed.

OSHA Hazard Communication Standard

Not hazardous per 29 CFR 1910.1200(d).

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355)

This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370)

Hazardous categories for this product are: Acute=no; Chronic=no; Fire=no; Pressure=no; Reactive=no.

SARA Title III Section 313 (40 CFR Part 372)

Barium alkylnaphthalenesulfonate (0.05 - 2.5% by weight)

U.S. Inventory (TSCA)

Listed on inventory.

International Regulatory Information

Australia Inventory (AICS)

Listed on inventory.



SECTION 15. REGULATORY INFORMATION continued

Canada Inventory (DSL)

Listed on inventory.

Canada (WHMIS)

Not a controlled product

China (CICS)

Listed on inventory.

EC Inventory (EINECS/ELINCS)

In compliance.

International Agency for Research on Cancer (IARC)

Listed on inventory.

Japan Inventory (MITI)

Listed on inventory.

Korea Inventory (ECL)

Listed on inventory.

Philippine Inventory (PICCS)

Listed on inventory.

SECTION 16. OTHER INFORMATION

Product use: Petroleum Based Hydraulic Fluid for Preservation and Operation

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