



**RADCOLUBE® RHP5606 HYDRAULIC FLUID  
MATERIAL SAFETY DATA SHEET**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name**

**RADCOLUBE® RHP5606, HYDRAULIC FLUID, PETROLEUM BASE**

**Meets Military Specification MIL-PRF-5606H**

Qualification# MLB 07-04 Dated: 15March2007

**NSNs: 9150-00-252-6383, 9150-00-223-4134, 9150-00-082-7524, 9150-00-265-9408**

**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**

<b>Chemical Name</b>	<b>% Content</b>	<b>CAS</b>
Hydrotreated Light Napthenic Distillate	70-90%	64742-5-36
Acrylic Copolymer	10 – 30%	None
Proprietary additive package	0.05 – 2.0%	None

**SECTION 3. HAZARDS IDENTIFICATION**

**Emergency Overview**

**Caution!** Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation. Harmful if aspirated into the lungs.

**Potential Health Effects**

**Eye**

No significant 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**

No significant 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#	Exposure Limits
Hydrotreated Light Napthenic Distillate (OIL MIST)	64742-5-36	5 mg/m <sup>3</sup> 8 Hrs (OSHA/ACGIH)
Acrylic Copolymer	None	None established
Proprietary additive package	None	None established

**Eye protection**

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

**Skin protection**

Wear clothing and gloves that cannot be penetrated 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**

<b>Appearance:</b>	Liquid. Red
<b>Odor:</b>	Light Bland Petroleum
<b>pH:</b>	Not determined
<b>Boiling point:</b>	Not determined
<b>Flash point (COC):</b>	≥ 100°C
<b>Fire point (COC):</b>	Not determined
<b>Flammability Classification:</b>	Not flammable
<b>Vapor Pressure:</b>	< 1 mm Hg @ 20 C
<b>Solubility in water:</b>	Negligible, < 0.1%
<b>Specific gravity at 15.6°C (60°F):</b>	0.87
<b>Viscosity at 100°C (212°F) minimum:</b>	4.9 cSt

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

Temperature sources which induce thermal decomposition.

**Dangerous reactions**

No dangerous reactions known.

**Hazardous polymerization**

Will not occur



**SECTION 10. STABILITY AND REACTIVITY continued**

**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**

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC)

**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**

**CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4):**

This product is not reportable under 40 CFR Part 302.4.

**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):**

This product is not regulated under Section 313 of SARA and 40 CFR Part 372.

**U.S. Inventory (TSCA):**

Listed on inventory.

**OSHA Hazard Communication Standard:**

Not hazardous per 29CFR 1910.1200(d)

**WHMIS Controlled Product Classification:**

Not a controlled Product under Canada's Workplace Hazardous Material Information System.

**SECTION 16. OTHER INFORMATION**

**Product use:** Petroleum Based Hydraulic Fluid

This product to the best of our knowledge does not contain and is not manufactured with any Class I or II Ozone Depleting Chemicals (ODCs). This product does not contain chemicals listed by the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as causing cancer or reproductive toxicity.

WARNING: "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove and even a trace of remaining material constitutes as explosive hazard. "Empty" drums should be completely drained, properly bunged, and promptly returned to a drum recycler. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Legend

CAS	Chemical Abstract Service Number
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
OSHA	Occupational Safety and Health Administration
STP	Standard temperature and pressure

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