



RADCOLUBE® 2075 (2075-T-H)

Safety Data Sheet

MIL-PRF-17672F ISO VISCOSITY GRADE 32, MILITARY SYMBOL 2075-T-H, GRADE CODE A Hydraulic Fluid, Petroleum, Inhibited

Issue date: 8/22/2015

Revision date: 5/8/2025

Supersedes: 4/28/2025

Version: 14.1

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

SECTION 1: Identification

1.1. Identification

Trade name	RADCOLUBE® 2075 (2075-T-H)
Specification:	MIL-PRF-17672F ISO Viscosity Grade 32, Military Symbol 2075-T-H, Grade Code A Hydraulic Fluid, Petroleum, Inhibited
Qualification Number (Date):	NAVSEA Letter Ser 05S/2016-001 (8 January 2016) NAVSEA Letter Ser 05S/2021-289 (13 August 2021)
Military Symbol:	2075-T-H
National Stock Number(s) (NSN):	9150-00-985-7232 5 Gallon Pail 9150-00-985-7233 55 Gallon Drum

1.2. Recommended use and restrictions on use

Use of the substance/mixture:	This product is a military specification inhibited petroleum-based hydraulic fluid containing anticorrosion and antioxidation additives for use in hydraulic systems and in other applications where a high grade lubricating oil having anticorrosion and antioxidation properties is required. This fluid should not be used in systems where a fire resistant fluid is specified.
Use of the substance/mixture:	Hydraulic fluids and additives
Recommended use:	Hydraulic fluids

1.3. Supplier

Manufacturer

Radco Industries Inc.
CAGE Code 6ZS16
700 Kingsland Drive
Batavia, Illinois 60510
United States
T (630) 232-7966
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

GHS US classification

Acute toxicity (inhalation:dust,mist), Category 4

H332

Harmful if inhaled.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US):



Signal word (GHS US):

Warning

Hazard statements (GHS US):

H332 - Harmful if inhaled

Precautionary statements (GHS US):

P261 - Avoid breathing fume, mist, spray, vapors.

P271 - Use only outdoors or in a well-ventilated area.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a doctor if you feel unwell.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Distillates (petroleum), hydrotreated heavy paraffinic	CAS-No.: 64742-54-7	40 – 100	Not classified
Distillates (petroleum), hydrotreated light paraffinic	CAS-No.: 64742-55-8	0 – 60	Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Chronic 4, H413

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

No additional information available

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

No additional information available

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4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

No additional information available

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

No additional information available

6.3. Methods and material for containment and cleaning up

No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

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USA - OSHA - Occupational Exposure Limits	
Local name	Oil mist, mineral
OSHA PEL TWA	5 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

No additional information available

USA - ACGIH - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH OEL TWA	5 mg/m ³ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

No additional information available

USA - ACGIH - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH OEL TWA	5 mg/m ³ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

No additional information available

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Appearance:	Liquid.
Color:	Light yellow
Odor:	slight
Odor threshold:	No data available
pH:	No data available
Melting point:	No data available

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Freezing point:	≤ -29 °C (ASTM D97 Pour point)
Boiling point:	No data available
Flash point:	220 (> 157) °C (ASTM D92)
Relative evaporation rate (butyl acetate=1):	No data available
Flammability:	No data available
Vapor pressure:	< 0.1 hPa at 20°C
Relative vapor density at 20°C:	No data available
Relative density:	0.87 – 0.88 at 15.6°C (Water = 1)
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	≥ 28.8 – < 35.2 mm ² /s at 40°C (104°F)
Viscosity, dynamic:	No data available
Explosion limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	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

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

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SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Inhalation:dust,mist: Harmful if inhaled.
Skin corrosion/irritation:	Not classified
Carcinogenicity:	Not classified
Aspiration hazard:	Not classified
Viscosity, kinematic:	≥ 28.8 – < 35.2 mm ² /s at 40°C (104°F)
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Reproductive toxicity:	Not classified

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ATE US (dust, mist):	4.417 mg/l/4h
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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat:	> 5000 mg/kg body weight (OECD 401 method) (OECD 420 method)
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Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

LD50 oral rat:	> 5000 mg/kg body weight (OECD 401 method)
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LD50 dermal rabbit:	> 2000 mg/kg IUCLID reference substance
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ATE US (dust, mist):	2.18 mg/l/4h
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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Serious eye damage/irritation:	Not classified
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Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

Serious eye damage/irritation:	Not classified
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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Respiratory or skin sensitization:	Not classified
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Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

Respiratory or skin sensitization:	Not classified
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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Germ cell mutagenicity:	Not classified
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Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

Germ cell mutagenicity:	Not classified
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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LOAEL (oral,rat,90 days):	125 mg/kg body weight (OECD 408 method)
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Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

LOAEL (oral,rat,90 days):	125 mg/kg body weight (OECD 408 method)
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NOAEC (inhalation,rat,dust/mist/fume,90 days):	> 0.98 mg/l Air (OECD 412 method)
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SECTION 12: Ecological information**12.1. Toxicity****Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)**

LC50 - Fish [1]:	> 5000 mg/l IUCLID reference substance
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EC50 - Crustacea [1]:	> 1000 mg/l (IUCLID reference substance)
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential**Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)**

Partition coefficient n-octanol/water (Log Pow):	3.9 – 6 (IUCLID reference substance)
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

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

No additional information available

SECTION 14: Transport information

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

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable

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14.6. Special precautions for user

No data available

No data available

No data available

No data available

Not applicable

15.1. US Federal regulations

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.

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15.2. International regulations

CANADA

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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

SECTION 16: Other information

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

Revision date: 05/08/2025

Full text of hazard classes and H-statements

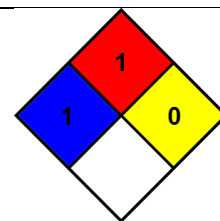
H332	Harmful if inhaled
H413	May cause long lasting harmful effects to aquatic life

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

hazard

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.

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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.