



Material Safety Data Sheet

Material Name: OILY WATER

ID: 82962

***** Section 1 - Chemical Product and Company Identification *****

Product Code: Not applicable

Product Use: Oil or water mixture for re-refining or reprocessing.

If this product is used in combination with other products, refer to the Material Safety Data Sheet for those products.

Synonyms: Waste oil; Used lubricating oil; Oil and water mixture

Safety-Kleen Systems, Inc.

Phone: 1-800-669-5740

5360 Legacy Drive

Building 2, Suite 100

Plano, TX 75024

Emergency # 1-800-468-1760

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www.safety-kleen.com

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PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

***** Section 2 - Hazards Identification *****

EMERGENCY OVERVIEW

Appearance

Black and viscous (thick) liquid with a petroleum odor

Signal Word

WARNING!

Physical Hazards

Product may burn, but does not ignite readily.

Health Hazards

May be harmful if inhaled.

May be harmful if absorbed through the skin.

May be harmful or fatal if swallowed. May irritate the respiratory tract (nose, throat, and lungs), eyes, and skin.

Suspect cancer hazard. Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure. Contains material that may cause central nervous system damage.

Environmental Hazards

Product may be toxic to fish, plants, wildlife and/or domestic animals. Also see **SECTION 12: ECOLOGICAL INFORMATION.**

POTENTIAL HEALTH EFFECTS

Inhalation (Breathing)

Effects may vary depending on material composition. Typical effects may include:

High concentrations of vapor or mist may be harmful if inhaled. Contains trace components which may cause sensitization. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects. Massive acute overexposure may cause rapid central nervous system depression, sudden collapse, coma, and/or death.

Eyes

May cause irritation.

Skin

May cause irritation. Contains trace components which may cause skin sensitization. Product may be absorbed through the skin and cause harm as noted under **INHALATION (BREATHING).**

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Ingestion (Swallowing)

May be harmful or fatal if swallowed. May cause throat irritation, nausea, vomiting, and diarrhea, and/or other toxic effects as noted under **INHALATION (BREATHING)**. Aspiration hazard: Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

Medical Conditions Aggravated by Exposure

Individuals with pre-existing cardiovascular, liver, kidney, central nervous system, respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Chronic

Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated exposure may cause liver and/or kidney damage. Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis). Prolonged or repeated exposure may cause skin sensitization, teratogenic effects, mutagenicity and/or reproductive toxicity. Contains material which may cause birth defects.

Cancer Information

This product contains mineral oils, untreated or mildly treated, which can cause cancer. This product may contain hydrocarbon and chlorinated solvents, metals and polynuclear aromatics which can cause cancer. For more information, see **SECTION 11: CARCINOGENICITY**.

***** Section 3 - Composition / Information on Ingredients *****

Component Information/Information on Non-Hazardous Components

* Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

CAS	Component	Percent
70514-12-4	Lubricating oils, used	21-79*
7732-18-5	Water/Solids	21-79*
Not Available	Hydrocarbon solvents. May include gasoline, diesel fuel, jet fuel, mineral spirits, etc.	0-10*
Not Available	Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	0-1.5*
Not Available	Chlorinated solvents	0-0.5*
Not Available	Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	0-1*

***** Section 4 - First Aid Measures *****

Inhalation (Breathing)

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

Eyes

If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention.

Skin

Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists.

Ingestion (Swallowing)

Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

Notes to Physicians

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

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***** Section 5 - Fire Fighting Measures *****

Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce phosgene gas, nitrogen oxides, carbon monoxide and unidentified compounds.

Conditions of Flammability

Heat, sparks or flame. Product may burn, but does not ignite readily.

Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

Protective Equipment For Firefighting

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Fire Fighting Equipment/Instructions

Keep storage containers cool with water spray.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Fire and Explosion Hazards

Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

***** Section 6 - Accidental Release Measures *****

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk.

Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE**

CONTROLS/PERSONAL PROTECTION. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface waters and sewers. Contain spill as a liquid for possible recovery, or absorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal.

Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal.

There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see **SECTION 15: REGULATORY INFORMATION.**

***** Section 7 - Handling and Storage *****

Handling Procedures

Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, storage tanks, tanker trucks, and rail tank cars should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke while using this product.

Shipping and Storing

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

***** Section 8 - Exposure Controls / Personal Protection *****

Engineering Controls

Use general ventilation, process enclosures, local exhaust ventilation or other engineering controls to control airborne levels.

Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Personal Protective Equipment: Respiratory

A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

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Personal Protective Equipment: Eyes/Face

Where eye contact is likely, wear chemical goggles. Contact lens may be worn with eye protection.

Personal Protective Equipment: Skin

Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended.

When product is heated and skin contact is likely, wear heat-resistant gloves, boots, and other protective clothing.

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

Personal Protective Equipment: Personal Hygiene

Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

Discard leather articles, such as shoes, saturated with this product.

Other Personal Protective Equipment

Where spills and splashes are likely, facilities storing or using this product should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

***** Section 9 - Physical & Chemical Properties *****

Appearance/Odor : Black and viscous (thick) liquid

Boiling Point: Not available.

Solubility (H2O): Slight.

Density: 6.7 to 8.3 LB/US gal (800 to 1000 g/L) (approximately)

Evaporation Rate: Less than 1 (butyl acetate = 1)

Odor Threshold: Not available.

LFL: Not available

UFL: Not available

Vapor Pressure: Not available.

pH: Not applicable.

Melting Point: Not applicable.

Specific Gravity: 0.8 - 1.0 @ 60°F (15.6°C)
(water = 1)

Octanol/H2O Coeff.: Not available.

Molecular Weight: Not applicable.

Auto Ignition: Not Available

Flash Point: >200°F (>93°C) (minimum)
Pensky-Martens Closed Cup

Vapor Density: Greater than 1 (air = 1) (Based on kerosene)

Freezing Point: Not available.

***** Section 10 - Chemical Stability & Reactivity Information *****

Stability

Stable under normal temperatures and pressures.

Incompatibility

Avoid acids, alkalis, oxidizing agents, reducing agents, reactive halogens, or reactive metals.

Reactivity

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

Hazardous Decomposition Products

None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

Conditions To Avoid

Avoid heat, sparks, or flame.

***** Section 11 - Toxicological Information *****

Component Analysis - LD50/LC50

Lubricating oils, used (70514-12-4)

Oral LD50 Rat >2000 mg/kg; Dermal LD50 Rat >2000 mg/kg; Dermal LD50 Rabbit >4480 mg/kg

Water/Solids (7732-18-5)

Oral LD50 Rat >90 mL/kg

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Acute Effects

May cause irritation to the skin, eyes, and respiratory tract. May be absorbed through the skin. Contains trace components which may cause skin and respiratory sensitization. High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

Repeated Dose Effects

Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

Based on best current information, there may be human sensitization associated with this product.

Based on best current information, there may be mutagenicity associated with this product.

Based on best current information, there may be reproductive toxicity associated with this product.

Based on best current information, there may be teratogenicity associated with this product.

Carcinogenicity

This product may contain components listed by OSHA as known carcinogens.

This product may contain components recognized by ACGIH as confirmed (A1) or suspected human carcinogens (A2).

This product may contain components listed by IARC as carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

This product may contain components listed by NTP as known to be a human carcinogen, or reasonably anticipated to be a human carcinogen.

Also see **SECTION 2: CANCER INFORMATION**

Target Organ Effects

Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation.

***** Section 12 - Ecological Information *****

Ecotoxicity

Based upon components, product may be harmful to aquatic life.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Lubricating oils, used (70514-12-4)

Duration/Test/Species

96 Hr LC50 Brachydanio rerio

96 Hr LC50 Pimephales promelas

Concentration/Conditions/Notes

79.6 mg/L [semi-static]

3.2 mg/L [semi-static]

Persistence/Degradability

No information available for the product.

Bioaccumulation/Accumulation

No information available for the product.

Mobility in Environmental Media

No information available for the product.

Other Adverse Effects

No information available for the product.

***** Section 13 - Disposal Considerations *****

Disposal Instructions

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

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US EPA Waste Number & Descriptions

This product, if discarded, is not expected to be a characteristic or listed hazardous waste. If recycled in the USA, it must be managed in accordance with 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

***** Section 14 - Transportation Information *****

Emergency Response Guide Number

Not applicable. Reference *North American Emergency Response Guidebook*

DOT

Shipping Name: Not regulated as a hazardous material.

TDG

Shipping Name: Not regulated as a dangerous good.

***** Section 15 - Regulatory Information *****

SARA Sections 302 & 304

Component Analysis

This product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA Sections 311 & 312

Acute Health: Yes

Chronic Health: Yes

Fire: No

Pressure: No

Reactive: No

SARA Section 313

Component Analysis

This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

CERCLA

Component Analysis

This product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

TSCA

Not available.

Component Analysis

Component	CAS #	TSCA
Lubricating oils, used	70514-12-4	No
Water/Solids	7732-18-5	Yes

California

This product is not for sale or use in the State of California.

Component Analysis - State

None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

No information is available.

Canadian Regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

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Component Analysis

Component	CAS #	CAN
Lubricating oils, used	70514-12-4	DSL
Water/Solids	7732-18-5	DSL

Canadian WHMIS Information

Class D2A - Contains component that may cause cancer. Class D2B - Irritating to eyes and skin.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Canadian Environmental Protection Act (CEPA)

Not available.

***** Section 16 - Other Information *****

Label/Other Information

Not available.

Revision Information

3 year regulatory update. This MSDS has been revised in the following sections: 1, 2, 8, 10, 11, 12, 15, and 16.

User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.

End of Sheet 82962