

## Safety Data Sheet

Material Name: ON-SPECIFICATION USED OIL FUEL/RECYCLED OIL

SDS ID: 820050

### \*\*\* Section 1 - Identification \*\*\*

#### Product Identifier

ON-SPECIFICATION USED OIL FUEL/RECYCLED OIL

#### Synonyms

Waste oil; Used lubricating oil; Oil and water mixture

#### Recommended Use

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

#### Restrictions on Use

None known.

#### Manufacturer Information

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 400  
Richardson, TX 75080

Phone: 1-800-669-5740

[www.safety-kleen.com](http://www.safety-kleen.com)

Emergency # 1-800-468-1760

#### Issue Date

November 27, 2018

#### Supersedes Issue Date

November 15, 2013

#### Original Issue Date

September 30, 2008

### \*\*\* Section 2 - Hazard(s) Identification \*\*\*

#### Classification in accordance with Schedule 1 of Canada's Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200 in the United States

Flammable Liquids, Category 3

Sensitization - Skin, Category 1

Germ Cell Mutagenicity, Category 1B

Carcinogenicity, Category 1B

Toxic to Reproduction, Category 1B

Specific Target Organ Toxicity - Single Exposure, Category 1 (kidneys, central nervous system, lungs)

Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system and respiratory tract)

Aspiration Hazard, Category 1

#### GHS LABEL ELEMENTS

##### Symbol(s)



##### Signal Word

DANGER!

##### Hazard Statement(s)

Flammable liquid and vapor.

May be fatal if swallowed and enters airways.

May cause allergic skin reaction, genetic defects, cancer, respiratory irritation, drowsiness, or dizziness.

May damage fertility or the unborn child.

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Causes damage to kidneys, central nervous system, and lungs.

## Precautionary Statement(s)

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe gas, fumes, vapor, or spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling.

### Response

In case of fire, use carbon dioxide, regular foam, dry chemical, water spray, or water fog. IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

### Storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

### Disposal

Dispose in accordance with all applicable regulations.

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

CAS	Component	Percent
70514-12-4	Lubricating oils, used	95-100
7732-18-5	Water/Solids	0-5
Not Available	Hydrocarbon solvents. May include gasoline, diesel fuel, jet fuel, mineral spirits, etc.	0-5
Not Available	Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	0-1.5
Not Available	Halogens	0-0.1
Not Available	Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	0-1

### Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Zinc (7440-66-6), Iron (7439-89-6), Lead (7439-92-1), Nickel (7440-02-0), Arsenic (7440-38-2), Copper (7440-50-8), Chromium (7440-47-3), Pyrene (129-00-0), Phenanthrene (85-01-8), Naphthalene (91-20-3), Fluoranthene (206-44-0).

## \* \* \* Section 4 - First Aid Measures \* \* \*

### Description of Necessary Measures

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, oxygen should be administered by qualified personnel.

#### Skin

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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## Ingestion

IF SWALLOWED: 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.

## Most Important Symptoms/Effects

### Acute

May cause allergic skin reaction, skin irritation, eye irritation, respiratory tract irritation, and central nervous system depression. Causes damage to kidneys, central nervous system, and lungs.

### Delayed

May damage fertility or the unborn child. May cause cancer and mutagenic effects.

## Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

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

## \* \* \* Section 5 - Fire-Fighting Measures \* \* \*

### Suitable Extinguishing Media

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

### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Specific Hazards Arising from the Chemical

Flammable liquid and vapor. Fire may produce irritating, poisonous and/or corrosive fumes. Vapors may cause drowsiness and dizziness. Containers may rupture or explode if exposed to heat. Empty product containers may retain product residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

### Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce oxides of carbon, oxides of nitrogen, oxides of metal, oxides of chlorine, phosgene, and miscellaneous decomposition products.

### Special Protective Equipment and Precautions for Firefighters

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

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Keep away from sources of ignition - No smoking. Keep storage containers cool with water spray. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn.

## \* \* \* Section 6 - Accidental Release Measures \* \* \*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

### Methods and Materials for Containment and Clean Up

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. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb 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**.

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<b>*** Section 7 - Handling and Storage ***</b>
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**Precautions for Safe Handling**

Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.

**Conditions for Safe Storage, Including Any Incompatibilities**

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.

**Incompatibilities**

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

<b>*** Section 8 - Exposure Controls / Personal Protection ***</b>
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**Component Exposure Limits**

<b>Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.</b>	<b>Not Available</b>
ACGIH:	0.05 mg/m3 TWA (related to Lead)
NIOSH:	0.05 mg/m3 TWA (related to Lead); 0.002 mg/m3 Ceiling 15 min (related to Arsenic) SK: DIR(IRR) (Aug 2017 ) (related to Arsenic); 100 mg/m3 IDLH (related to Lead)
OSHA (US):	50 µg/m3 TWA (related to Lead); 30 µg/m3 Action Level (See 29 CFR 1910.1025 ); 50 µg/m3 TWA (See 29 CFR 1910.1025 ) (related to Lead)
<b>Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%</b>	<b>Not Available</b>
ACGIH:	10 ppm TWA (related to Naphthalene); Skin - potential significant contribution to overall exposure by the cutaneous route (related to Naphthalene)
NIOSH:	10 ppm TWA ; 50 mg/m3 TWA (related to Naphthalene); 15 ppm STEL ; 75 mg/m3 STEL (related to Naphthalene); 250 ppm IDLH (related to Naphthalene)
OSHA (US):	0.2 mg/m3 TWA (related to Pyrene)

**ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)**

**Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%. (Not Available)**

200 µg/l Medium: blood Time: not critical Parameter: Lead (Note: Persons applying this BEI are encouraged to counsel female workers of child-bearing age about the risk of delivering a child with a PbB (lead in blood level) over the current CDC reference value ) (related to Lead)

**Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3% (Not Available)**

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Time: end of shift Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis (nonquantitative, nonspecific ) (related to Naphthalene)

## Appropriate Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

## Individual Protective Measures, such as Personal Protective Equipment

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, gloves, and/or lab coat or apron.

## Eyes/Face Protection

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

## Skin Protection

Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

## Respiratory Protection

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.

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

<b>Appearance/Odor :</b>	Black and viscous (thick) liquid	<b>pH:</b>	Not applicable.
<b>Boiling Point:</b>	Not available.	<b>Odor Threshold:</b>	Not available.
<b>Solubility (H2O):</b>	Slight.	<b>Melting Point:</b>	Not applicable.
<b>Density:</b>	6.7 to 8.3 LB/US gal (800 to 1000 g/L) (approximately)	<b>Specific Gravity:</b>	0.8 - 1.0 @ 60°F (15.6°C) (water = 1)
<b>Evaporation Rate:</b>	Less than 1 (butyl acetate = 1 )	<b>Octanol/H2O Coeff.:</b>	Not available.
<b>LFL:</b>	Not available	<b>Auto Ignition Temperature:</b>	Not Available
<b>UFL:</b>	Not available	<b>Flash Point:</b>	>100°F (>37.8°C) (minimum) Pensky-Martens Closed Cup
<b>Vapor Pressure:</b>	Not available.	<b>Viscosity:</b>	Not available
		<b>Vapor Density:</b>	Greater than 1 (air = 1) (Based on kerosene)

## \* \* \* Section 10 - Stability & Reactivity \* \* \*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal temperatures and pressures.

### Possibility of Hazardous Reactions

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

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### Conditions To Avoid

Avoid heat, sparks, or flame.

### Incompatible Materials

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

### Hazardous Decomposition Products

Burning may produce oxides of carbon, oxides of nitrogen, oxides of chlorine, oxides of metal, phosgene, and miscellaneous decomposition products.

## \* \* \* Section 11 - Toxicological Information \* \* \*

### Information on Likely Routes of Exposure

#### Inhalation

May cause respiratory tract irritation, dizziness, drowsiness.

#### Skin Contact

May cause skin irritation and allergic skin reaction.

#### Eye Contact

May cause irritation.

#### Ingestion

May be fatal if swallowed and enters airways.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

##### Lubricating oils, used (70514-12-4)

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

##### Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

**Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%. (Not Available)**

Oral LD50 Rat 30 g/kg (related to Iron); Inhalation LC50 Rat >10.2 mg/L 1 h (no deaths occurred) (related to Nickel)

**Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3% (Not Available)**

Oral LD50 Rat 2700 mg/kg (related to Pyrene); Dermal LD50 Rabbit 1120 mg/kg (related to Naphthalene)

Inhalation LC50 Rat >340 mg/m<sup>3</sup> 1 h (related to Naphthalene)

### Product Toxicity Data

#### Acute Toxicity Estimate

No data available.

#### Immediate Effects

May be fatal if swallowed and enters airways. May cause allergic reactions, skin irritation, eye irritation, respiratory tract irritation, or central nervous system depression. Causes damage to kidneys, central nervous system, lungs.

#### Delayed 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). May cause cancer and mutagenic effects. May damage fertility or the unborn child.

#### Irritation/Corrosivity Data

May cause eye irritation, skin irritation or respiratory tract irritation.

#### Respiratory Sensitization

No information available for the product.

#### Dermal Sensitization

May cause sensitization.

### Component Carcinogenicity

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<b>Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.</b>	<b>Not Available</b>
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (related to Lead)
IARC:	Monograph 100C [2012] ; Monograph 84 [2004] (in drinking water ) ; Supplement 7 [1987] ; Monograph 23 [1980] (related to Arsenic) (Group 1 (carcinogenic to humans))
IARC:	Monograph 87 [2006] (Monograph 87 evaluates inorganic lead compounds as Group 2A and organic lead compounds as Group 3. CAS 7439-92-1 still assigned 2B on IARC website even though Monograph 87 assigns 2A with more recent date ) (related to Lead) (Group 2A (probably carcinogenic to humans))
IARC:	Monograph 49 [1990] ; Supplement 7 [1987] (related to Nickel) (Group 2B (possibly carcinogenic to humans))
IARC:	Monograph 49 [1990] ; Supplement 7 [1987] (related to Chromium) (Group 3 (not classifiable))
NTP:	Known Human Carcinogen (related to Arsenic)
NTP:	Reasonably Anticipated To Be A Human Carcinogen (related to Lead)
DFG:	Category 2 (considered to be carcinogenic for man ) (related to Lead)
OSHA:	Present (related to Lead)
NIOSH:	potential occupational carcinogen (related to Nickel)
<b>Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%</b>	<b>Not Available</b>
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (related to Naphthalene)
IARC:	Monograph 82 [2002] (related to Naphthalene) (Group 2B (possibly carcinogenic to humans))
IARC:	Monograph 92 [2010] ; Supplement 7 [1987] ; Monograph 32 [1983] (related to Pyrene) (Group 3 (not classifiable))
NTP:	Reasonably Anticipated To Be A Human Carcinogen (related to Naphthalene)
DFG:	Category 2 (considered to be carcinogenic for man ) (related to Naphthalene)
OSHA:	Present (related to Naphthalene)

### Germ Cell Mutagenicity

May cause genetic defects.

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**Tumorigenic Data**

Contains material which may have reproductive toxicity, teratogenic or mutagenic effects.

**Reproductive Toxicity**

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

**Specific Target Organ Toxicity - Single Exposure**

Kidneys, central nervous system, lungs, respiratory tract

**Specific Target Organ Toxicity - Repeated Exposure**

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

**Aspiration hazard**

This material is an aspiration hazard.

**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.

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

**Ecotoxicity**

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**Component Analysis - Aquatic Toxicity**

<b>Lubricating oils, used</b>	<b>70514-12-4</b>
Fish:	LC50 96 h Brachydanio rerio 79.6 mg/L [semi-static ]; LC50 96 h Pimephales promelas 3.2 mg/L [semi-static ]
Invertebrate:	EC50 48 h Artemia salina >22500 mg/L IUCLID
<b>Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.</b>	<b>Not Available</b>
Fish:	LC50 96 h Pimephales promelas 2.16 - 3.05 mg/L [flow-through ]; LC50 96 h Pimephales promelas 0.211 - 0.269 mg/L [semi-static ]; LC50 96 h Pimephales promelas 2.66 mg/L [static ]; LC50 96 h Cyprinus carpio 30 mg/L; LC50 96 h Cyprinus carpio 0.45 mg/L [semi-static ]; LC50 96 h Cyprinus carpio 7.8 mg/L [static ]; LC50 96 h Lepomis macrochirus 3.5 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 0.24 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 0.59 mg/L [semi-static ]; LC50 96 h Oncorhynchus mykiss 0.41 mg/L [static ] (related to Zinc)
Algae:	EC50 96 h Pseudokirchneriella subcapitata 0.11 - 0.271 mg/L [static ] EPA ; EC50 72 h Pseudokirchneriella subcapitata 0.09 - 0.125 mg/L [static ] EPA (related to Zinc)
Invertebrate:	EC50 48 h Daphnia magna 0.139 - 0.908 mg/L [Static ] EPA (related to Zinc)
<b>Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%</b>	<b>Not Available</b>



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Fish:	LC50 96 h Pimephales promelas 5.74 - 6.44 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 1.6 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 0.91 - 2.82 mg/L [static ]; LC50 96 h Pimephales promelas 1.99 mg/L [static ]; LC50 96 h Lepomis macrochirus 31.0265 mg/L [static ] (related to Naphthalene)
Invertebrate:	EC50 48 h water flea 1.8 mg/L (related to Pyrene)

## Persistence and Degradability

No information available for the product.

## Bioaccumulative Potential

No information available for the product.

## Mobility

No information available for the product.

## Other Toxicity

No additional information is available.

## \* \* \* Section 13 - Disposal Considerations \* \* \*

### Disposal Methods

Dispose in accordance with all applicable federal, state/regional and local laws and 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.

## \* \* \* Section 14 - Transport Information \* \* \*

### Transportation Regulations

#### DOT Shipping Name:

*Flashpoint greater than or equal to 100°F and less than 200°F:*

NA1993, Combustible liquid, N.O.S (diesel, jet fuel), PGIII

*Flashpoint greater than or equal to 200°F:*

Not regulated for transport.

#### TDG Shipping Name:

*Flashpoint greater than or equal to 100°F and less than 200°F:*

NA1993, Combustible liquid, N.O.S (diesel, jet fuel), PGIII

*Flashpoint greater than or equal to 200°F:*

Not regulated for transport.

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

**40 CFR Part 279.11**

This product meets the definition of “on-specification used oil fuel.”

Constituent/Property	Allowable Level
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Flash Point	141°F minimum
Total Halogens	4000 ppm maximum
Polychlorinated Biphenyls (PCBs)	<2 ppm maximum

*\*Used oil containing more than 1000ppm total halogens is presumed to be hazardous waste under the rebuttable presumption provided under 279.10(b)(1). Such oil is subject to Subpart H of 266 rather than 279.11 when burned for energy recovery unless the presumption of mixing can be successfully rebutted.*

**U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

<b>Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.</b>	<b>Not Available</b>
SARA 313:	1 % de minimis concentration (dust or fume only ) (related to Zinc)
CERCLA:	454 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm ); 1000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm ) (related to Zinc)
<b>Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%</b>	<b>Not Available</b>
SARA 302:	1000 lb lower TPQ ; 10000 lb upper TPQ (related to Pyrene)
SARA 313:	1 % de minimis concentration (related to Phenanthrene)
CERCLA:	5000 lb final RQ ; 2270 kg final RQ (related to Pyrene)
SARA 304:	5000 lb EPCRA RQ (related to Pyrene)

Chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

CAS-No.	Name	Percent by Weight
7440-66-6	Zinc	<1%
85-01-8	Phenanthrene	<0.3%

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**SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories**

Flammable; Carcinogenicity; Reproductive Toxicity; Respiratory/Skin Sensitization; Specific Target Organ Toxicity; Aspiration Hazard; Germ Cell Mutagenicity

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
<b>Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.</b>	<b>Not Available</b>	Yes	Yes	Yes	Yes	Yes
<b>Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%</b>	<b>Not Available</b>	Yes	Yes	Yes	Yes	Yes

**WARNING!** This product can expose you to metals including lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT% , which are known to the State of California to cause birth defects or other reproductive harm, and to polynuclear aromatics including naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3% , which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Canada Regulations**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

<b>Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.</b>	<b>Not Available</b>
	0.1 % (related to Lead)
<b>Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%</b>	<b>Not Available</b>
	1 % (related to Pyrene)

**WHMIS Classification**

D2A, D2B

**Component Analysis - Inventory**

**Lubricating oils, used (70514-12-4)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
No	DSL	EIN	Yes	No	No	No	No	No	No	No	No	No	No	No

**Water (7732-18-5)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes

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Material Name: ON-SPECIFICATION USED OIL FUEL/RECYCLED OIL

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**Hydrocarbon solvents. May include gasoline, diesel fuel, jet fuel, mineral spirits, etc. (Not Available); Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%. (Not Available); Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3% (Not Available); Halogens**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

### \* \* \* Section 16 - Other Information \* \* \*

**NFPA Ratings: Health: 1 Fire: 2 Reactivity: 0**

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

**Revision Information**

2012/2: Addition to Section 15.

**Key/Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

**Disclaimer**

User assumes all risks incident to the use of this product. 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 expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.