



Safety Data Sheet

Material Name: FUEL OIL/CUTTER STOCK

SDS ID: 820160

*** Section 1 - Identification ***

Product Identifier

FUEL OIL/CUTTER STOCK

Product Code

Not applicable.

Synonyms

Fuel Oil; Petroleum oil; Recycled fuel oil

Recommended Use

Oil or water mixture for re-refining or reprocessing. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Restrictions on Use

None known.

FOR PRODUCT MANUFACTURED IN THE U.S.A.:

MANUFACTURER

Safety-Kleen Systems, Inc.
42 Longwater Drive
Norwell, MA 20261
U.S.A.

SUPPLIER (in Canada)

Safety-Kleen Canada, Inc.
25 Regan Road
Brampton, Ontario, Canada L1A 1B2

FOR PRODUCT MANUFACTURED IN CANADA:

MANUFACTURER

Safety-Kleen Canada, Inc.
25 Regan Road
Brampton, Ontario, Canada L1A 1B2

SUPPLIER (in the U.S.A.)

Safety-Kleen Systems, Inc.
42 Longwater Drive
Norwell, MA 02061
U.S.A.

www.safety-kleen.com

Phone: 1-800-669-5740

Emergency Phone #: 1-800-468-1760

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

Classification in Accordance with 29 CFR 1910.1200.

Acute Oral Toxicity Category 4

Skin Corrosion / Irritation, Category 2

Eye Damage / Irritation, Category 2B

Sensitization - Respiratory, Category 1

Sensitization - Skin, Category 1

Germ Cell Mutagenicity, Category 1B

Carcinogenicity, Category 1A

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)

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GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER!

Hazard Statement(s)

Harmful if swallowed.

Causes skin irritation and eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause allergic skin reaction.

May cause genetic defects and cancer.

May damage fertility or the unborn child.

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

May cause respiratory irritation, drowsiness or dizziness.

Precautionary Statement(s)

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe gas, fumes, vapor, or spray. In case of inadequate ventilation wear respiratory protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. 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.

Response

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. Take off contaminated clothing and wash before reuse. 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. 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.

Disposal

Dispose in accordance with all applicable regulations.

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

CAS	Component	Percent
N.A.	Used crankcase oil	70
64742-34-3	Distillates, petroleum, chemically neutralized heavy naphthenic	>30
68476-34-6	Fuels, diesel, no. 2	>30
7732-18-5	Water	>2
107-21-1	Ethylene glycol	>0.1

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*** 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.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately get medical attention. 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

Harmful if swallowed., Causes skin irritation and eye irritation. May cause allergic skin reaction, asthma, allergic reactions, 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.

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

Suitable Extinguishing Media

Carbon dioxide, regular foam, dry chemical.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Specific Hazards Arising from the Chemical

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

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. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. Keep unnecessary people away, isolate hazard area and deny entry. Empty containers may retain product residue including flammable/explosive vapors. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Keep storage containers cool with water spray. Do not use high-pressure water streams.

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*** 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. 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.**

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

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

Store in a well-ventilated place. Store locked up. 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.

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

Component Exposure Limits

Fuels, diesel, no. 2	68476-34-6
Alberta	100 mg/m3 TWA as total Hydrocarbons listed under Diesel fuel
British Columbia	100 mg/m3 TWA as total Hydrocarbons aerosol, inhalable, and vapor; Skin notation
Manitoba; Nova Scotia	100 mg/m3 TWA as total Hydrocarbons inhalable fraction and vapor Skin - potential significant contribution to overall exposure by the cutaneous route
Northwest Territories; Nunavut	100 mg/m3 TWA as total Hydrocarbons vapor; 150 mg/m3 STEL as total Hydrocarbons vapor Skin notation
Ontario	100 mg/m3 TWA as total hydrocarbons inhalable fraction and vapor; Danger of cutaneous absorption
Prince Edward Island	100 mg/m3 TWA as total Hydrocarbons inhalable fraction and vapor

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Saskatchewan	100 mg/m ³ TWA as total hydrocarbons vapor; 150 mg/m ³ STEL as total hydrocarbons vapor Potentially harmful after absorption through skin or mucous membranes
ACGIH:	100 mg/m ³ TWA as total hydrocarbons inhalable fraction and vapor; Skin - potential significant contribution to overall exposure by the cutaneous route
Ethylene glycol	107-21-1
Alberta	100 mg/m ³ Ceiling
British Columbia	10 mg/m ³ TWA particulate; 100 mg/m ³ Ceiling aerosol ; 50 ppm Ceiling vapor 20 mg/m ³ STEL particulate
Manitoba	25 ppm TWA vapor fraction
New Brunswick; Northwest Territories; Nunavut; Ontario; Saskatchewan	100 mg/m ³ Ceiling aerosol
Nova Scotia; Prince Edward Island	25 ppm TWA vapor fraction; 50 ppm STEL vapor fraction ; 10 mg/m ³ STEL inhalable particulate matter, aerosol only
Quebec	50 ppm Ceiling mist and vapor ; 127 mg/m ³ Ceiling mist and vapor
Yukon	10 mg/m ³ TWA particulate ; 100 ppm TWA vapor ; 250 mg/m ³ TWA vapor 10 ppm STEL particulate ; 20 mg/m ³ STEL particulate ; 125 ppm STEL vapor ; 325 mg/m ³ STEL vapor
ACGIH:	25 ppm TWA vapor fraction; 50 ppm STEL vapor fraction ; 10 mg/m ³ STEL inhalable particulate matter, aerosol only

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 chemical impervious protective gloves; use of natural rubber or equivalent gloves is not recommended. When products are 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.

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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 ***

Appearance/Odor : Dark colored liquid, petroleum odor	pH: Not applicable.
Boiling Point: >180°F (82°C)	Odor Threshold: Not available.
Solubility (H2O): Insoluble	Melting Point: Not applicable.
Density: 7.1 LB/US gal (approximately)	Specific Gravity: 0.85 -0.88 @ 60°F (15.6°C) (water = 1)
Evaporation Rate: Less than 1 (butyl acetate = 1)	Octanol/H2O Coeff.: Not available.
LFL: Not available	Auto Ignition Temperature: >400°F (>204°C)
UFL: Not available	Flash Point: >100°F (>93°C) (minimum) Pensky-Martens Closed Cup
Vapor Pressure: Not available.	Viscosity: Not available

*** 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.

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 allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.

Skin Contact

Causes skin irritation. May cause allergic skin reaction.

Eye Contact

Causes eye irritation.

Ingestion

Harmful if swallowed.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

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

Distillates, petroleum, chemically neutralized heavy naphthenic (64742-34-3)

Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Ethylene glycol (107-21-1)

Oral LD50 Rat 4700 mg/kg; Dermal LD50 Rat 10600 mg/kg

Product Toxicity Data

Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Oral	2000 mg/kg

Immediate Effects

Delayed Effects

May cause genetic defects. May cause cancer. May damage fertility or the unborn child.

Irritation/Corrosivity Data

Causes skin irritation. Causes eye irritation. May cause respiratory irritation.

Respiratory Sensitization

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

Dermal Sensitization

May cause allergic skin reaction.

Component Carcinogenicity

Fuels, diesel, no. 2	68476-34-6
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Ethylene glycol	107-21-1
ACGIH:	A4 - Not Classifiable as a Human Carcinogen

May cause cancer.

Germ Cell Mutagenicity

May cause genetic defects.

Tumorigenic Data

No data available

Reproductive Toxicity

May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Kidneys, central nervous system, lungs.

Specific Target Organ Toxicity - Repeated Exposure

No information on significant adverse effects.

Aspiration hazard

No information on significant adverse effects.

Medical Conditions Aggravated by Exposure

No information is available.

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

Ecotoxicity

Harmful to aquatic life with long lasting effects.

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Component Analysis - Aquatic Toxicity

Fuels, diesel, no. 2	68476-34-6
Fish:	LC50 96 h Pimephales promelas 35 mg/L [flow-through]
Ethylene glycol	107-21-1
Fish:	LC50 96 h Oncorhynchus mykiss 41000 mg/L; LC50 96 h Oncorhynchus mykiss 14 - 18 mL/L [static]; LC50 96 h Lepomis macrochirus 27540 mg/L [static]; LC50 96 h Oncorhynchus mykiss 40761 mg/L [static]; LC50 96 h Pimephales promelas 40000 - 60000 mg/L [static]; LC50 96 h Poecilia reticulata 16000 mg/L [static]
Algae:	EC50 96 h Pseudokirchneriella subcapitata 6500 - 13000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 46300 mg/L IUCLID

*** 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: Not regulated as a hazardous material.

TDG Shipping Name: Not regulated as a dangerous good.

*** Section 15 - Regulatory Information ***

Canada Regulations

CEPA - Priority Substances List

Ethylene glycol	107-21-1
	Priority Substance List 2 (substance not considered toxic)

Ozone Depleting Substances

None of this product's components are on the list.

Council of Ministers of the Environment - Soil Quality Guidelines

Ethylene glycol	107-21-1
Residential and Parkland	960 mg/kg (dry weight)

Council of Ministers of the Environment - Water Quality Guidelines

None of this product's components are on the list.

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.

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Ethylene glycol	107-21-1
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ ; 2270 kg final RQ

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
107-21-1	Ethylene glycol	>0.1

Component Analysis - Inventory

Used crankcase oil (na1)

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

Distillates, petroleum, chemically neutralized heavy naphthenic (64742-34-3)

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

Fuels, diesel, no. 2 (68476-34-6)

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

Water (7732-18-5)

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

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Ethylene glycol (107-21-1)

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

* * * Section 16 - Other Information * * *

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

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

Revision Information

2022/02: Addition to Section 15, update to Section 1.

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.

End of Sheet 820160