1. Identification

1.1 Identification of the Product

Trade Name: On-Specification Recycled Fuel Oil
Synonym: Used Oil, Used Oil Fuel, Waste Oil

1.2 Main use of this product
Re-Refinery Feedstock /Alternative Fuel

1.3 Company
Universal Environmental Services, LLC
411 Dividend Drive
Peachtree City, Georgia 30269

Telephone: 770-486-8816
Fax: 770-357-0202
E-Mail: EHS@Universalenviro.com

1.4 Emergency Contact:
CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

2. Hazardous Identification

2.1 Classification in Accordance with 29 CFR 1910.1200
Carcinogenicity: Category 1B
Aquatic Toxicity (Acute) Category 3
Aquatic Toxicity (Chronic), Category 3

GHS Label Elements

Signal Word
Danger!

Hazard Statement(s)
May cause cancer. Harmful to aquatic life with long lasting effects.

Precautionary Statements
Prevention
Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Response
If exposed or concerned: Get medical advice/attention.
Storage
Store locked up.
Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition / Information on Ingredients

3.1 General Description:
Recycled Used Petroleum Products

3.2 Chemical Identification	Concentration (% w/w)	CAS Number
Lubricating oils, used	100% weight	70514-12-4

4. First Aid Measures

4.1 Inhalation
Provide affected person with fresh air and consult a doctor.

4.2 Eye contact
In case of contact with eyes, immediately rinse thoroughly with plenty of water and consult a doctor.

4.3 Skin contact
After contact with skin, wash immediately with soap and water, remove contaminated, saturated clothing. In case of skin irritation, consult a doctor.

4.4 Ingestion
Do not induce vomiting, consult a doctor immediately. Danger of aspiration.

5. Fire Fighting Measures

5.1 Suitable extinguishing media
Use carbon dioxide, foam, water fog or dry fire-extinguishing media.

5.2 Extinguishing media which must not be used for safety reasons
Full water jet

5.3 Special exposure hazards
Combustion Products: Toxic pyrolysis products, smoke, carbon oxides, sulfur oxides, ignitable vapors and gases possible. Hot product may produce flammable vapors.

5.4 Special protective equipment for fire fighting
Wear self-contained breathing apparatus and full protective clothing if necessary.

6. Accidental Release Measures

6.1 Personal precautions
Provide adequate ventilation. Keep away from sources of ignition and do not smoke. Avoid eye and skin contact as well as inhalation. Remove contaminated, saturated clothing. Attention, risk of slipping.

6.2 Environmental precautions
Stop the source of the release if possible and contain the release. Do not allow the release to reach soil, drains, surface waters or groundwater. Report releases to the appropriate Federal, State and Local Agencies.

6.3 Methods for cleaning up

Pick up with absorbent material (e.g. general-purpose binder), treat recovered material as prescribed in section 13.See Disposal Considerations in section 13 as well as Personal Protective Equipment Considerations in section 8.

7. Handling and Storage

7.1 Precautions for Safe Handling

Avoid eye and skin contact. Avoid formation of oil spray. Keep away from sources of ignition and refrain from smoking. Wash hands before breaks and after finishing work. Employ hygiene measures appropriate for handling of chemicals. Follow all hazard warning labels and instructions for use.

Do not heat up to temperatures near flashpoint. Take precautionary measures against electrostatic loading. Take precautionary measures against risk of explosion. Also see section 6.1.

7.2 Storage

Do not store product in hallways and staircases. Store only in original container and keep secure.
Do not store together with fire promoting or spontaneously combustible substances.
Store in a cool and dry environment.
Further information on storage conditions: Also see section 10.2.

8. Exposure Limitation and Personal Protective Equipment

Ensure sufficient aeration. This can be achieved through local exhaust ventilation or general exhaust air. Respirators must be worn if the ambient concentration of mineral oil mist exceeds prescribed exposure limits.

Chemical name	OSHA PEL	NIOSH REL	ACGIH TLV
Mineral oil mist	5 mg/m3	5 mg/m3	5 mg/m3

8.1 Respiratory protection:

Not required in normal case. If operations generate an oil mist in excess of the prescribed exposure limits, an approved respirator must be worn that provides adequate protection from the measured concentration. In the case of mineral oil mist concentrations exceeding the PEL, a particulate cartridge should be used.

8.2 Hand protection:

Protective gloves that are oil resistant and made of PVC or Nitrile are recommended. Skin cream is also recommended. The selection of a suitable glove is not only dependent on the material, but also on quality characteristics and can differ from manufacturer to manufacturer.

8.3 Eye protection:

Where splashing is possible, safety eye glasses with side protection are recommended.

8.4 Protective clothing:

Protective work clothes (e.g. work clothes with long arms, aprons and oil resistant boots) are recommended.

9. Physical and Chemical Properties

Physical state:	Liquid
Color:	Brown/Black
Odor:	Characteristic Petroleum Odor

Boiling point / Boiling range:	NDA
Flashpoint:	>100°F
Ignition Temperature:	NDA
Lower explosion limit:	NDA
Upper explosion limit:	NDA
Vapor pressure:	NDA
API Gravity:	26-32
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	NDA
Viscosity:	4.4 – 5.2 cSt @ 50°C - 45 – 300 SUS@ 100°F
% Sulfur	0.5 (max)

10. Stability and Reactivity

10.1 Conditions to avoid
This material is considered stable when stored and handled as prescribed. Formation of ignitable vapors and gases possible: > 140°F. See also section 7.

10.2 Materials to avoid
Avoid contact with strong oxidizing agents. See also section 7.

10.3 Hazardous decomposition products
See section 5.3.

11. Toxicological Information

11.1 Acute toxicity and immediately occurring effects
Inhalation: High concentrations of aerosol or mist may be generated at high temperatures and may be irritating to the respiratory tract, including nose and throat, and may cause difficulty breathing. This may be particularly true with people who have a high level of sensitivity and allergic reactions.

Ingestion: May cause mild irritation of the digestive tract, including cramping, diarrhea, nausea, and vomiting. Aspiration into the lungs – by initial ingestion or vomiting – may cause mild to severe pulmonary injury.

Skin: Prolongs and/or repeated exposure may cause mil skin irritation, including redness, burning, temporary drying/cracking, and acute dermatitis. Contact with hot material may cause burns.

Eyes: Contact may cause slight to moderate irritation, including burning, redness, and tearing. Contact with hot oil may cause thermal burns.

11.2 Delayed occurring and chronic effects

Inhalation: Exposure to high levels of oil mist concentration may lead to chronic pulmonary conditions such as chronic bronchitis, pneumonia, and emphysema

Skin: Cracking, drying, and chronic dermatitis.

11.3 Other information

Other possible exposure symptoms: Skin dehydration, irritation, dermatitis and Eye irritation. This product may contain significant amounts of poly nuclear aromatic hydrocarbons (PNA's) which have been shown to cause skin cancer after prolonged and frequent contact with the skin of test animals. Brief or intermittent skin contact with this product is not expected to have serious effects if the skin is washed off. While skin cancer is unlikely to occur in human beings following use of this product, skin contact should be reduced to a minimum.

12. Ecological Information

Water hazard class (WGK)::	1 (Slightly water polluting substance)
Self-classification:	No, KBwS
Persistence und biodegradability:	Not readily biodegradable (according to OECD criteria) Inherently biodegradable (main ingredient indication)

Behavior in waste water treatment plants: Can be separated mechanically.

Aquatic toxicity:	n. d. a.
Eco toxicity:	n. d. a.

13. Disposal Considerations

Use the material for its intended purpose or recycle. Place contaminated materials in appropriate containers and dispose of or recycle in a manner consistent with Federal, State and Local regulations.

14. Transport Information

DOT Classification: CLASS 3: Combustible Liquid.
Identification: NA 1993, Combustible Liquid, n.o.s. (On-Specification Recycled Fuel Oil), 3, PG III
Special Provisions for Transport: Not available.

15. Regulatory Information

TSCA Inventory: Components of this material are listed on the Toxic Substances Control Act Inventory.

SARA 302/304 Emergency Planning and Notification:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. There are no components in this product on the SARA 302 list.

SARA 311/312 Hazard Identification:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 311 and 312 to submit aggregate information on chemical by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories:

Immediate Acute Health Effects: No
Delayed (Chronic) Health Effects: Yes
Fire Hazard: Yes
Sudden Release of Pressure Hazard: No
Reactivity Hazard: No

SARA 313 Toxic Chemical Notification and Release Reporting:
This product contains no SARA 313 reportable chemicals.

CERCLA: The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQs) including petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances that may present in this product are subject to CERCLA, these include the components of gasoline (benzene, toluene, xylene, ethylbenzene, and 1,2,4-trimethylbenzene. The concentration of each regulated material is expected to be <1%. Zinc and zinc compounds may also be present in concentrations <0.1%.

HMIS Hazard Ratings:

Health Hazard: 1
Fire Hazard: 2
Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

National Fire Protection Association (U.S.A.):

Health: 1
Flammability: 2
Reactivity: 0
Specific hazard:

(4 – Severe, 3- -Serious, 2 – Moderate, 1 – Slight, 0 – Minimal)

16. Other Information

Date of Preparation: October 2022
Last Revision: July 2021

This information refers to the product in delivery condition. The information herein is intended to describe the product with regard to the required safety precautions; it is not intended to assure certain properties. Liability excluded.