

Issue Date: 07-13-2016

Revision Date:

Version

1. IDENTIFICATION

Product Identifier

Product Name ASHBURN EDM OIL GRADE A

Other means of identification

SDS #

Item# E-2802-05
E-2803-55
E-2803-275

Recommended use of the chemical and restrictions on use

Recommended Use Electrical Discharge Machining Oil

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number 832-399-1000
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Transparent
Colorless to yellow tint

Physical State Liquid

Odor Mild petroleum

Classification

Aspiration Hazard

Category 1

Signal Word

DANGER

Hazard Statements

304 May be fatal if swallowed and enters airways.



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	> 90

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing and lauder before reuse. If skin irritation occurs: Get medical advice/attention.
Inhalation	Remove from further exposure and keep person at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned.
Ingestion	Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

Symptoms	Defatting of the skin. Coughing. Shortness of breath. Discomfort in the chest May cause irritation to the mucous membranes and upper respiratory tract See SECTION 11 for delayed and chronic effects.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames. DO NOT use stream of water (could cause fire to spread).
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Combustion Products/Specific Hazards

A mixture of airborne solids, liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin or eyes. Avoid breathing dust/fume/gas/mist/vapors/spray See SECTION 8 for Personal Protective Equipment
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Environmental Precautions	Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water. Prevent further leakage or spillage if safe to do so. See SECTION 12 for Ecological Information
Methods for Clean-Up	Absorb or cover with dry earth, sand or other non-combustible material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal

7. HANDLING AND STORAGE

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements.
Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Store away from heat and open flame. Storage temperature 5-40°C (41-104°F)
Incompatible Materials	Oxidizing agents. Strong alkalis. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	Form	Limit / standard	Note
Distillates (PET), hydrotreated Light 64742-47-8	Vapor	TWA 1200 mg/m ³ 143 ppm	Total hydrocarbons.

Appropriate engineering controls

Engineering Controls	Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below the exposure limits Maintain eye wash fountain and quick-drench facilities in work area.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side shields.
Skin and Body Protection	Chemical or oil resistant clothing is recommended.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection
General Hygiene Considerations	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. Remove contaminated clothing and launder before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild Petroleum Odor
Appearance	Transparent		

Color	Amber / light brown	Odor Threshold	Not determined
Property	Values	Remarks	• Method
pH	Not determined		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	248° - 265°C / 478 – 509° °F		
Flash Point	114 °C / 237 °F	ASTM D-93	
Auto-ignition Temperature	220°C / 428 °F		
Evaporation Rate	< 1	n-butyl acetate = 1	
Flammability	LEL: 0.5 UEL: 4.7		
Vapor Pressure	0.001 kPa	0.01 mm Hg)@20 °C	
Vapor Density	7 @101 kPa	(Air=1)	
Specific Gravity	0.808		
Water Solubility	Insoluble		
Solubility in other solvents	Not determined		
Viscosity	2.54cSt (2.54 mm ² /sec)	@ 38°C (100°F)	
Partition Coefficient	Not determined	Log Pow (n-octanol/Water)	

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Stable under recommended storage conditions.
Conditions to Avoid	Open flame and high energy ignition sources.
Incompatible Materials	Strong oxidizers.
Hazardous Decomposition Products	Material does not decompose at ambient temperature.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Eye Contact	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405
Skin Contact	May dry the skin leading to discomfort and dermatitis. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 404
Inhalation	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 403.
Ingestion	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 401

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Distillates (PET), hydrotreated Light 64742-47-8	> 5000 mg/kg (Rat , 4 hr)	> 5000 mg/kg (Rabbit)	4,000 mg/m ³ _Vapor (Rat) 4 h

Aspiration hazard	May be fatal if swallowed and enters airways
Carcinogenicity	Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 453.

Gem Cell Mutagenicity	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline. 471 473 474 476 478 479.
Reproductive Toxicity	Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 414 421 422 Risk of chemical pneumonia after aspiration into lung.
Repeated Exposure	Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline. 408 413

12. ECOLOGICAL INFORMATION

Ecotoxicity Not expect to be harmful to aquatic organism

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Distillates (PET), hydrotreated Light 64742-47-8		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

Persistence/Degradability	Not inherently biodegradable
Bioaccumulation	Bioaccumulation is unlikely to be significant because of the low water solubility
Mobility	Liquid under most environmental conditions. Float on water. If enters soil it will absorb to soil particles and will not be mobile
Other Adverse Effects	No other adverse environmental effects (ozon depletion, photochemical ozone creation)

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT	Not regulated.
ATA	Not regulated
IMDG	Not regulated

15. REGULATORY INFORMATION

International Inventories Not determined

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

*ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances***US Federal Regulations****OSHA HAZARD**

Distillates (PET), hydrotreated Light 64742-47-8
 Hazardous material in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

SARA 311/312 Hazard Categories

Distillates (PET), hydrotreated Light 64742-47-8
 Acute Health Hazard. Chronic Health Hazard.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

U.S. Regulations**US state Regulation**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Distillates (PET), hydrotreated Light 64742-47-8	x		x

CA PROP 65

This material does not contain a Prop 65 chemical.

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

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Not determined

HMIS**Health Hazards****Flammability****Physical Hazards****Personal Protection**

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Not determined

Issue Date:

13/07/2016

Revision Date:**Revision Note:**

New Format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet