SAFETY DATA SHEET
DIESEL FIRE

SECTION 1: IDENTIFICATION

Product Name:	Diesel Fire
Product Code:	D50
Product Use:	Diesel additive
Manufacturer's Name:	E-ZOIL Products, Inc.
Address:	234 Fillmore Avenue
Address:	Tonawanda, NY 14150 USA
Business Phone:	855-693-9645
Emergency Phone:	800-633-8253 PERS
Date of Preparation:	October 1, 2015
Date of Last Revision:	October 1, 2015
Regulatory Standard:	CFR29 1910.1200 HazCom 2012

SECTION 2: HAZARDS IDENTIFICATION

GHS-US classification
Flammable Liquid 3
Skin Irritation 2
Carcinogenicity 2
Reproductive Toxicity 2
Specific target organ toxicity – Single exposure 3
Aspiration Toxicity 1

Hazard pictograms (GHS-US):

Signal word (GHS-US): Danger

Hazard statements (GHS-US): Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May be fatal if swallowed and enters airways.

Precautionary statements (GHS-US): Keep away from heat/sparks/open flames/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. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist. If exposed or concerned: Get medical advice/attention. If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. 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 inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Store in a well- ventilated place. Keep cool. Store locked up. Keep container tightly closed. Dispose of contents/container in accordance with local, regional, national and international regulations.

Other information: None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS Number	%
Stoddard solvent	8052-41-3	40 - 70
2-Ethylhexyl nitrate	27247-96-7	10 - 30
Hydrocarbon	Trade Secret	1 - 5
Naphthalene	91-20-3	1 - 5
Xylenes (o-, m-, p- isomers)	1330-20-7	1 - 5
1,2,3-Trimethylbenzene	526-73-8	1 - 5
Cumene	98-82-8	1 - 5
1,3,5-Trimethylbenzene	108-67-8	1 - 5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: FIRST AID MEASURES

First-aid measures after inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries after inhalation: May cause respiratory tract irritation. May cause drowsiness or dizziness.

Symptoms/injuries after skin contact: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

Indication of any immediate medical attention and special treatment needed:

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media:	Foam. Dry chemical. Carbon dioxide.
Unsuitable extinguishing media:	None known.
Fire hazard:	Flammable liquid and vapor. Products of combustion may include, and are not limited to: oxides of carbon.
Explosion hazard:	May form flammable/explosive vapor-air mixture.
Protection during firefighting:	Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to keep fire-exposed containers cool.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General measures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.
For containment:	Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up:	Scoop up material and place in a disposal container. Provide ventilation.

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: HANDLING AND STORAGE

Additional hazards when processed:	Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling:	Keep away from sources of ignition - No smoking. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use personal protective equipment as required.
Hygiene measures:	Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
Technical measures:	Proper grounding procedures to avoid static electricity should be followed.
Storage conditions:	Keep out of the reach of children. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Keep container tightly closed when not in use.
Storage temperature:	39 – 120°F

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Stoddard solvent (8052-41-3)		
ACGIH	ACGIH TWA (ppm)	100 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	2900 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm

2-Ethylhexyl nitrate (27247-96-7)	
ACGIH	Not applicable
OSHA	Not applicable

Hydrocarbon	
ACGIH	Not applicable
OSHA	Not applicable

Naphthalene (91-20-3)		
ACGIH	ACGIH TWA (ppm)	10 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	50 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	10 ppm

Xylenes (o-, m-, p- isomers) (1330-20-7)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

1,2,3-Trimethylbenzene (526-73-8)	
ACGIH	Not applicable
OSHA	Not applicable

Cumene (98-82-8)		
ACGIH	ACGIH TWA (ppm)	50 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	245 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm

1,3,5-Trimethylbenzene (108-67-8)	
ACGIH	Not applicable
OSHA	Not applicable

Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection: Wear chemically resistant protective gloves.

Eye protection: Wear safety glasses with side shields or goggles.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls:	Maintain levels below community environmental protection thresholds.
Other information:	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Appearance:	No data available
Color:	Light amber
Odor:	Mild
Odor threshold:	No data available
pH:	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	122°F (50°C)
Relative evaporation rate:	No data available
Flammability (solid, gas):	Flammable
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor pressure:	No data available
Relative density:	0.85
Relative vapor density at 20 °C:	No data available
Solubility:	Water > 90 %
Partition coefficient: n-octanol/water:	No data available
Log Kow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal storage conditions. May form flammable/explosive vapor-air mixture.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Heat. Incompatible materials. Sources of ignition.

Incompatible materials: Oxidizers.

Hazardous decomposition products: May include, and are not limited to: oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: Harmful if swallowed.

Diesel Fire	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 20 mg/l/4h

2-Ethylhexyl nitrate (27247-96-7)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 4820 mg/kg
LC50 inhalation rat	> 14 mg/l/4h
Hydrocarbon	
LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat	18 g/m³/4h
Naphthalene (91-20-3)	
LD50 oral rat	490 mg/kg
LD50 dermal rabbit	> 20 g/kg
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	> 4350 mg/kg
LC50 inhalation rat	29.08 mg/l/4h

Cumene (98-82-8)	
LD50 dermal rabbit	12300 µl/kg
LC50 inhalation rat	> 3577 ppm/6h
1,3,5-Trimethylbenzene (108-67-8)	
LC50 inhalation rat	24 g/m³/4h

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Suspected of causing cancer.

Naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen

Xylenes (o-, m-, p- isomers) (1330-20-7)	
IARC group	3 - Not classifiable
Cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation: May cause respiratory tract irritation. May cause drowsiness or dizziness.

Symptoms/injuries after skin contact: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis.

SECTION 12: ECOLOGICAL INFORMATION

Ecology - general: May cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Diesel Fire	
Persistence and degradability	Not established.

Bioaccumulative potential

Diesel Fire	
Bioaccumulative potential	Not established.

Mobility in soil: No additional information available

Other adverse effects: Effect on the global warming – No known ecological damage caused by this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Additional information: Handle empty containers with care because residual vapors are flammable.

SECTION 14: TRANSPORT INFORMATION

UN number: NA1993

Proper shipping name: Combustible liquid, n.o.s., (Stoddard solvent, Ethylhexyl nitrate)

Transport hazard class(es): Combustible liquid

Packing group: III

This product may be reclassed as a combustible liquid. Refer to 49 CFR Section 173.150.

This product is not regulated for transportation in the United States in quantities less than 119 Gallons.

SECTION 15: REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Federal regulations:

Hydrocarbon	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %
Naphthalene (91-20-3)	
Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	0.1 %
Xylenes (o-, m-, p- isomers) (1330-20-7)	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %

Cumene (98-82-8)	
Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 %
1,3,5-Trimethylbenzene (108-67-8)	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under

State regulations:

Diesel Fire	
State or local regulations	This product contains a chemical known to the State of California to cause cancer.

SECTION 16: OTHER INFORMATION

Other information: None.

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