Bus Garage

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION & COMPANY INFORMATION

Product Trade Name: **2170 Winterized Fuel Master L.P.**

CAS Number: Not Applicable for Mixtures

Synonyms: None

Generic Chemical Name: Proprietary Mixture

Chemical Family: Diesel Fuel Additive

Company Name: E.T. Products LLC
747 Douglas Road
P.O. Box 100
Bremen, IN 46506

NON-EMERGENCY PHONE NUMBER: E.T. Products 1-800-325-5746

EMERGENCY PHONE NUMBER: **Chemtrec** **1-800-424-9300**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Amount	Carcinogen
Light Aromatic Naphtha	64742-95-6	From 30.0 to 40.0%	N/E
1,2,4-Trimethylbenzene	95-63-6	< 14.0%	N/E
Xylenes	1330-20-7	< 3.7%	N/E
Heavy Aromatic Naphtha	64742-94-5	From 30.0 to 40.0%	N/E
Naphthalene	91-20-3	< 3.8%	IARC Suspect Carcinogen NTP Carcinogen
2-Ethylhexyl Nitrate	27247-96-7	From 10.0 to 15.0%	N/E
Ethylbenzene	100-41-4	< 0.4%	IARC Suspect Carcinogen
Cumene	98-82-8	< 0.9%	N/E
Vinyl Acetate	108-05-4	< 0.1%	IARC Suspect Carcinogen
Diethylene Glycol Monomethyl Ether	111-77-3	< 3.9%	N/E
2,6-Di-Tert-Butylphenol	128-39-2	< 1.0%	N/E
o-Tert-Butylphenol	88-18-6	< 0.2%	N/E
2,4,6,-Tri-Tert-Butyl Phenol	732-26-3	< 0.2%	N/E
Other Mono-And Di-Tert-Butyl Phenols	N/E	< 0.1%	N/E
Phenol	108-95-2	< 0.1%	N/E
1,3,5-Trimethylbenzene	108-67-8	< 4.1%	N/E
Trimethylbenzene	25551-13-7	< 0.6%	N/E

(N/E) – None Established

The precise composition of this mixture is proprietary information. A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency.

3. HAZARDS INDENTIFICATION

SARA 311 Classifications :	Acute Hazard	Yes
	Chronic Hazard	Yes
	Fire Hazard	Yes
	Reactivity Hazard	No
HMIS Code	Health	2*
	Flammability	2
	Reactivity	1
NFPA Code	Health	2
	Flammability	2
	Reactivity	1

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May cause irritation, headaches, dizziness, nausea, discomfort, tearing or blurring of vision or central nervous sytem depression.

SKIN CONTACT: May cause skin irritation. Prolonged or repeated skin contact may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin. Repeated overexposure to petroleum naphtha can cause nervous system damage and liver, kidney, and bone marrow damage.

INHALATION: Vapors can be irritating to the respiratory tract, which may cause headaches, dizziness nausea, stupor and other central nervous system effects leading to visual impairment, difficulty breathing and convulsions. Repeated overexposure to petroleum naphtha can cause nervous system damage and liver, kidney, and bone marrow damage.

INGESTION: Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. May cause central nervous system depression. Material can be aspirated into the lungs during the act of swallowing or vomiting. Serious lung damage and possibly fatal chemical pneumonia can develop if this occurs.

4. FIRST AID MEASURES

EYE CONTACT: Flush immediately with clear water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT: Wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation persists. Launder contaminated clothing before reuse.

INHALATION: Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists or if toxic symptoms are observed, get medical attention.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Aspiration of material due to vomiting can cause chemical pneumonitis which can be fatal. Get immediate medical attention. If vomiting occurs naturally, the casualty should lean forward to reduce the risk of aspiration.

ADDITIONAL INFORMATION: Note to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT (PMCC ASTM D-93): 136° F (Typical)

AUTO-IGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS IN AIR: LEL: N/A UEL: N/A

EXTINGUISHER MEDIA: Carbon dioxide, foam or dry chemical. Water can be used to cool and protect exposed material.

FIRE FIGHTING PROCEDURES: Recommended wearing self-contained breathing apparatus and full protective gear. Water may cause splattering.

UNUSUAL FIRE & EXPLOSION HAZARDS: Combustible Liquid. Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. When heated above 100° C, may undergo a self-accelerating, exothermic reaction which causes rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperatures. Spray storage vessels with water to maintain temperature below 100° C.

6. ACCIDENTIAL RELEASE MEASURES

Spill Procedures: Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Remove sources of ignition. Ventilate spill area. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Treat or dispose of in accordance with all federal, state, and local requirements. If applicable, report spills to the proper environmental agencies as required by federal, state and local regulations.

7. HANDLING AND STORAGE

Pumping Temperature: Not determined.

Maximum Handling Temperature: Not determined.

Handling Procedures: Keep away from potential sources of ignition. Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Wash thoroughly after handling. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition. Avoid contact with strong oxidizing agents.

Maximum Storage Temperature: Not determined.

Storage Procedures: Store in a tightly closed container. Do not store near potential sources of ignition. Store in cool dry, well ventilated and secure area. Keep out of reach of children. Avoid contact with strong oxidizing agents.

Loading Temperature: Not determined.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	EXPOSURE LIMITES & GUIDELINES					
	OSHA		ACGIH		OTHER	
Component	TWA	STEL	TWA	STEL	TWA	STEL
Petroleum Naphtha	N/E	N/E	N/E	N/E	100 ppm (l)	N/E
Naphthalene	10 ppm	15 ppm	10 ppm (s)	15 ppm	N/E	N/E
1,2,4-Trimethylbenzene	N/E	N/E	25 ppm	N/E	N/E	N/E
Xylenes	100 ppm	N/E	100 ppm	150 ppm	N/E	N/E
2-Ethylhexyl Nitrate	N/E	N/E	N/E	N/E	1 ppm (l)	N/E
Ethylbenzene	100 ppm	N/E	100 ppm	125 ppm	N/E	N/E
Vinyl Acetate	10 ppm	20 ppm	10 ppm	15 ppm	N/E	N/E
Diethylene Glycol Monomethyl Ether	30 ppm	N/E	30 ppm	N/E	N/E	N/E
Cumene	50 ppm	N/E	50 ppm	N/E	N/E	N/E
Phenol	5 ppm	N/E	5 ppm	N/E	N/E	N/E
1,3,5-Trimethylbenzene	N//E	N/E	25 ppm	N/E	N/E	N/E
Trimethylbenzene	25 ppm	N/E	25 ppm	N/E	N/E	N/E

(s) – Skin exposure (l) – Recommended exposure limit (N/E) – None established

Engineering Controls: Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.

Gloves Procedures: Nitrile.

Eye Protection: Safety glasses. If potential for splash or mist exists, wear goggles or face shield.

Respiratory Protection: Under normal use conditions, with adequate ventilation, no special handling equipment is required. If anticipating close contact with this product or its mist, local ventilation may be required to keep exposure below limits. Use NIOSH/MSHA approved full face respirator with a combination organic vapor and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, or other poorly ventilated areas and for large spill clean-up sites.

Clothing Recommendation: Long sleeve shirt is recommended. Wear either a chemical protective suit or apron when potential for contact with material exists.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (PMCC) Typical:	136° F
Appearance:	Amber Liquid
Specific Gravity (H20=1):	0.91
Reactivity in Water:	None
Water Solubility:	Negligible
Vapor Pressure (mmHg):	Not determined
Vapor Density (Air=1):	Not determined
Boiling Point:	Not determined

10. STABILITY AND REACTIVITY

Stability:	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature:	Not determined.
Incompatibility:	Oxidizing agents.
Polymerization:	Will not occur.
Thermal Decomposition:	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid:	Temperatures above 100° C / 212° F. When heated above 100° C, may undergo a self-accelerating, exothermic reaction which causes rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperatures.

11. TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects. If additional information is required please contact supplier.

12. ECOLOGICAL INFORMATION

Please contact supplier for ecological information.

13. DISPOSAL INFORMATION

Do not dispose of into waste water treatment facilities. Treat or dispose of waste material in accordance with all federal, state and local laws.

14. TRANSPORTATION INFORMATION

U.S. DOT Bulk:	Combustible Liquid, N.O.S. (Petroleum Naphtha, 2-Ethylhexyl Nitrate), NA1993, PG III, RQ (Xylenes, Naphthalene), Marine Pollutant (Petroleum Naphtha, 2-Ethylhexyl Nitrate).
U.S. DOT Bulk: (275 Gal. Tote)	Combustible Liquid, N.O.S. (Petroleum Naphtha, 2-Ethylhexyl Nitrate), NA1993, PG III, Marine Pollutant (Petroleum Naphtha, 2-Ethylhexyl Nitrate).
U.S. DOT Non-Bulk	Not Regulated in quantities less than 119 Gallons.
DOT NAERG	128

15. REGULATORY INFORMATION

U.S. TSCA INVENTORY: All components of this material are on the US TSCA Inventory.

Canada: All components are in compliance with the Canadian Environmental Ptrotection Act and are present on the Domestic Substances List.

REGULATORY DISCLOSURES

SARA Ext. Hazardous Substances: This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substance List.

SARA Title III – Section 313:

1,2,4-Trimethylbenzene	CAS # 95-63-6	< 14.0%
Diethylene Glycol Monomethyl Ether	CAS # 111-77-3	< 3.9%
Naphthalene	CAS # 91-20-3	< 3.8%
Xylenes	CAS # 1330-20-7	< 3.7%
Cumene	CAS # 98-82-8	< 0.9%
Ethylbenzene	CAS # 100-41-4	< 0.4%
Vinyl Acetate	CAS # 108-05-4	< 0.1%
Phenol	CAS # 108-95-2	< 0.1%

CERCLA Hazardous Substances:

Xylenes	CAS # 1330-20-7	RQ 100 lb
Naphthalene	CAS # 91-20-3	RQ 100 lb
Ethylbenzene	CAS # 100-41-4	RQ 1,000 lb
Phenol	CAS # 108-95-2	RQ 1,000 lb
Cumene	CAS # 98-82-8	RQ 5,000 lb
Vinyl Acetate	CAS # 108-05-4	RQ 5,000 lb

Registrations

U.S. Fuel Registration This fuel additive is registered in the United States

16. OTHER INFORMATION

Revision Date: 2/28/2011	**SUPERSEDES ISSUE DATE:** All

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