

MATERIAL SAFETY DATA SHEET

1.	PRODUCT IDENTIFICATION & COMPANY INFORMATION
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Product Trade Name: 1170 Power Stroker
CAS Number: Not Applicable for Mixtures
Synonyms: None
Generic Chemical Name: Proprietary Mixture
Chemical Family: Diesel Fuel Additive

Company Name: E.T. Products Co., Inc.
 747 Douglas Road
 P.O. Box 1
 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
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Components	CAS No.	Amount	Carcinogen
Heavy Aromatic Naphtha	64742-94-5	From 30.0 to 40.0%	N/E
Naphthalene	91-20-3	< 4.0%	IARC Suspect Carcinogen NTP Carcinogen
1,2,4-Trimethylbenzene	95-63-6	< 3.0%	N/E
2-Ethylhexyl Nitrate	27247-96-7	From 49.0 to 52.0%	N/E
Light Aromatic Naphtha	64742-95-6	From 1.0 to 10.0%	N/E
Xylene	1330-20-7	< 3.0%	N/E
2,6-Di-Tert-Butylphenol	128-39-2	< 1.5%	N/E
o-Tert-Butylphenol	88-18-6	< 0.5%	N/E
2,4,6,-Tri-Tert-Butyl Phenol	732-26-3	< 0.5%	N/E
Other Mono-And Di-Tert-Butyl Phenols	N/E	< 0.2%	N/E
Phenol	108-95-2	< 0.1%	N/E
Ethylbenzene	100-41-4	< 0.5%	IARC Suspect Carcinogen
Cumene	98-82-8	< 0.2%	N/E
Catalytic Reformed Naphtha	64741-67-9	From 0.0 to 2.0%	N/E
Light Ends of Polyethylbenzene Residue	178535-25-6	From 0.0 to 2.0%	N/E
Triethylbenzene	102-25-0	From 0.0 to 0.4%	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.

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3.	HAZARDS IDENTIFICATION
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SARA 311 Classifications :	Acute Hazard	Yes
	Chronic Hazard	Yes
	Fire Hazard	Yes
	Reactivity Hazard	No
HMS 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 system 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
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- 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** Note to physician: Treat symptomatically.

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5.	FIRE FIGHTING MEASURES
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FLASH POINT (PMCC ASTM D-93): 158° 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
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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
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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.

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8.	EXPOSURE CONTROLS / PERSONAL PROTECTION
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Component	EXPOSURE LIMITES & GUIDELINES					
	OSHA		ACGIH		OTHER	
	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
Xylene	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
Phenol	5 ppm	N/E	5 ppm	N/E	N/E	N/E
Ethylbenzene	100 ppm	N/E	100 ppm	125 ppm	N/E	N/E
Cumene	50 ppm	N/E	50 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
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Flash Point (PMCC) Typical:	158° F
Appearance:	Amber Liquid
Specific Gravity (H20=1):	0.94

Reactivity in Water:	None
Water Solubility:	Negligible
Vapor Pressure (mmHg):	Not determined
Vapor Density (Air=1):	Not determined
Boiling Point:	Not determined

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

12.	ECOLOGICAL INFORMATION
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Please contact supplier for ecological information.

13.	DISPOSAL INFORMATION
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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
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U.S. DOT Bulk: Combustible Liquid, N.O.S. (Petroleum Naphtha, 2-Ethylhexyl Nitrate), NA1993,

PG III, RQ (Naphthalene, Xylene), 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

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15.	REGULATORY INFORMATION
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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 Protection 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:	Naphthalene	CAS # 91-20-3	< 4.0%
	1,2,4-Trimethylbenzene	CAS # 95-63-6	< 3.0%
	Xylene	CAS # 1330-20-7	< 3.0%
	Ethylbenzene	CAS #100-41-4	< 0.5%
	Cumene	CAS # 98-82-8	< 0.2%
	Phenol	CAS # 108-95-2	< 0.1%

CERCLA Hazardous Substances:	Naphthalene	CAS # 91-20-3	RQ 100 lb
	Xylene	CAS # 1330-20-7	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

Registrations

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

16.	OTHER INFORMATION
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Revision Date: 07/29/2009	SUPERSEDES ISSUE DATE: All
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The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of E.T. Products Co., Inc. knowledge; however, E.T. Products Co., Inc. makes no warranty whatsoever, expressed, implied or of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. E.T. Products Co., Inc. assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.