

**MATERIAL SAFETY DATA SHEET**

**SECTION I**

<b>PRODUCT NAME OR NUMBER (as it appears on label)</b> PE-111 DuraBOOST-Diesel (CFC)	
<b>MANUFACTURER'S FOR</b> Petroleum Enhancer, L.L.C.	<b>EMERGENCY TELEPHONE NO.</b> (231) 938-9816 M -F 8:30am-5:Eastern CHEMTREC: (800) 424-9300 ALL OTHER TIMES
<b>ADDRESS (Number, Street, City, State and Zip Code)</b> 2750 Auburn Court, Auburn Hills, MI 48626-3202	<b>MANUFACTURER'S D-U-N-S NO.</b> N/A
<b>HAZARDOUS MATERIALS DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS ID NO.</b> AIR=ORMD GROUND-No restrictions	<b>ADDITIONAL HAZARD CLASSES (as applicable)</b> Consumer Commodity
<b>CHEMICAL FAMILY</b> Solvent Blend	<b>FORMULA</b> Patented

**SECTION II - INGREDIENTS/HAZARDOUS INGREDIENTS**

CAS REGISTRY NO.	%V	%W	CHEMICAL NAMES	EXPOSURE LIMITS IN AIR (units in ppm)				Listed as a Carcinogen in NTP IARC or OSHA 1910
				ACGIH	TWA	STEL	VENDOR	
64742-98-9		55-65	Oxygenated Hydrocarbon	N/AV	N/AV	N/AV	N/AV	No
111-76-2		10-20	Ethylene Glycol Monobutyl Ether	Skin 25 Air 50	25 100	N/E N/E	25/50 100	No
64742-46-7		5-15	Mineral Seal Oil	N/E 50mg/M3 (Mist)	N/E	50mg/M3 (Mist)		No
111-27-3		5-15	Hexanol	Skin 25 Air 50	25 100	N/E N/E	25/50 100	No
Proprietary		<1*	Resin in Aromatic Hydrocarbons, Naphthalene	N/E	N/E	N/E	N/E	No

\*Toxic chemicals or chemical subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372

**SECTION III - PHYSICAL DATA**

<b>BOILING RANGE</b> 313-650 °F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b> 0.88
<b>VAPOR PRESSURE</b> N/A @ 68°F °C XX mm Hg psi	<b>VOLATILE BY VOLUME</b> 100% <b>PERCENT SOLID BY WEIGHT</b> 0%
<b>VAPOR DENSITY (Air=1)</b> N/A	<b>EVAPORATION RATE</b> Slower than Ether
<b>SOLUBILITY IN WATER</b> 20%	<b>pH</b> N/A
<b>APPEARANCE AND ODOR</b> Amber liquid, aromatic odor	

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT</b> 150 °F °C	<b>Method Used</b> T.C.C.	<b>_FLAMMABLE LIMITS</b>	<b>LEL</b> N/A	<b>UEL</b> N/A
<b>EXTINGUISHING MEDIA:</b> CO <sub>2</sub> , dry chemical, foam or other National Fire Protection Association (NFPA) approved method for treating a Class B fire.				
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Summon professional firefighters. Use full protective equipment including self-contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles are preferable. If exposed to fire or extreme heat, water should be used to cool closed containers and prevent pressure build-up or possible auto-ignition.				
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Keep containers tightly closed. Isolate from heat and flame. Due to pressure build-up, closed containers exposed to extreme heat may explode. Never use a welding or cutting torch on or near container (even empty) as product or its residue may ignite. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.				

**SECTION V - HEALTH HAZARD DATA**

<b>THRESHOLD LIMIT VALUE:</b> See Section II	<b>OTHER LIMIT</b> See Section II
<b>PERMISSIBLE EXPOSURE LIMIT:</b> See Section II	
<b>EFFECTS OF OVEREXPOSURE:</b> <u>Acute - Breathing</u> - Irritation of the respiratory tract; headache, nausea, dizziness, weakness and fatigue. Extreme exposure can result in unconsciousness and even respiratory arrest. <u>Eye Contact</u> - Severe irritant. May cause eye burns. <u>Skin Contact</u> - Prolonged and repeated liquid contact can cause defatting and drying of the skin, which may result in skin irritation and dermatitis. May cause skin burns. May cause allergic skin reaction. May be absorbed by the skin. <u>Swallowing</u> - Vomiting may result. Pulmonary aspiration hazard if vomiting occurs.	
<b>CHRONIC:</b> Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.	
<b>PRIMARY ROUTES OF ENTRY:</b> Inhalation, skin contact, eye contact, ingestion.	
<b>EMERGENCY AND FIRST AID PROCEDURES:</b> <u>If Breathed</u> - If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, summon medical assistance immediately. If breathing ceases, restore using approved CPR techniques and summon medical assistance immediately. <u>If In Eyes</u> - Flush immediately with large amounts of water for at least 15 minutes. Get medical assistance. <u>If On Skin</u> - Wash affected areas with soap and water. Remove soiled clothing. Get medical assistance if irritation persists. Wash clothing before reuse. <u>If Swallowed</u> - DO NOT INDUCE VOMITING. Consult a physician immediately. Aspiration of vomitus can cause chemical pneumonitis which can be fatal.	
<b>MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:</b> None when used in accordance with Special Protection Information (Section VIII).	
<b>WARNING:</b> Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.	

**SECTION VI - REACTIVITY DATA**

<b>STABILITY:</b>	UNSTABLE _____ STABLE <u>XX</u>	<b>CONDITIONS TO AVOID:</b> Heat, sparks, flame.
<b>INCOMPATIBILITY (materials to avoid)</b> Strong oxidizing agents.		
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Thermal decomposition may yield carbon monoxide and carbon dioxide.		
<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR _____ WILL NOT OCCUR <u>XX</u>	<b>CONDITIONS TO AVOID:</b> Elevated temperatures, contact with oxidizing agents, sparks, open flame, ignition sources.

### SECTION VII - SPILL OR LEAK PROCEDURES

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:</b> Remove all sources of ignition (flames, hot surfaces, and electrical, static or frictional sparks). Do not smoke. Prevent breathing vapors. Ventilate area. Before attempting clean-up, refer to hazard caution information in other sections of this material safety data form. Dike and contain spilled material and remove with inert absorbent and non-sparking tools. Store in closed container until properly disposed of.						
<b>WASTE DISPOSAL METHOD:</b> Dispose of in accordance with local, state and federal regulations. Incinerate only in approved facility. Do not incinerate closed containers.						
<b>CERCLA (Superfund) REPORTABLE QUANTITY (in lbs.):</b> One pound or refer to Section 311 Clean Water Act.						
<b>RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)</b> N/A						
<b>VOLATILE ORGANIC COMPOUND (VOC):</b> (as packaged, minus water) 100%						
XX	Theoretical	7.35	lb/gal	XX	Analytical	7.255 lb/gal

### SECTION VIII - SPECIAL PROTECTION INFORMATION

<b>RESPIRATORY PROTECTION:</b> When used in restricted ventilation areas, wear NIOSH/MSHA approved chemical/mechanical filters designed to remove a combination of particulates and vapor. When used in confined areas, wear NIOSH/MSHA approved air supply respirators or hoods. Follow respirator manufacturer's directions for respirator use. If respirators are used, a program should be established to assure compliance with OSHA Standard 29 CFR 1910.134.	
<b>VENTILATION:</b> Use only with adequate ventilation. Use either local exhaust or mechanical to meet TLV requirements. Ventilation must be sufficient to limit employee exposure at, or below, applicable health and safety standards. Heavy solvent vapors should be removed from lower levels of work area.	
<b>PROTECTIVE GLOVES:</b> Butyl rubber and F.E. P. teflon. <b>EYE PROTECTION:</b> Solvent resistant safety eyewear with splash guards. <b>OTHER PROTECTIVE EQUIPMENT:</b> Eye bath and safety shower. Solvent impermeable clothing to prevent skin contact.	

### SECTION IX - SPECIAL PRECAUTIONS

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:</b> Keep away from heat, sparks and flame. Do not smoke. Prevent build-up of vapors by maintaining continuous flow of fresh air. Do not store above 125°F or near fire or open flame. Store large quantities in buildings to comply with OSHA 1910.106. Keep container closed when not in use. Do not transfer contents to bottles or other unlabeled containers. Do not reuse empty containers. Keep out of reach of children.
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