

# MATERIAL SAFETY DATA SHEET

<b>Manufacturer:</b> Schaeffer Mfg. Company		<b>Emergency Response Number:</b>				
<b>Address:</b> 102 Barton Street		314-865-4105 or				
<b>Address:</b> St. Louis, MO 63104		800-325-9962				
<b>SECTION 1 – PRODUCT INFORMATION</b>						
<b>Chemical Family:</b> Petroleum Hydrocarbons		<b>Trade Name:</b> #137 Diesel Treat 2000				
<b>Formula:</b> Proprietary Mixture.						
<b>SECTION 2 – HAZARDOUS INGREDIENTS</b>						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Light Naphthenic Distillate	64742-53-6	20-35		5		5
Naphthalene	91-20-3	.0.2725	10	52	10	50
Amines, polyethylene poly-reaction products with succinic anhydride isobutylene derivatives	84605-20-9	2-6	NE		NE	
1,2,4 Trimethylbenzene	95-63-6	2-3	25		25	
Heavy Aromatic Naphtha	64742-94-5	0.2			50	
2-Ethyl Hexyl Nitrate	27247-96-7	25-40	8			
Cumene	98-82-8	0.165	50	246	50	245
Diethylene Glycol Monomethyl Ether	111-76-2	0.2125	NE		NE	
Light Aromatic Naphtha	64742-95-6	0.5 – 1.25			50	
Xylene	1330-20-7	1.59	100	434	100	434
Proprietary Polymers	Mixture	1-5	NE		NE	
Ethylbenzene	100-41-4	<2.7	100	434	100	435
Benzene	71-43-2	0.02725	10	32	10	
Hydrotreated Heavy Naphtha	64742-48-9	20-40	NE		NE	
<b>Section 3 – PHYSICAL DATA</b>						
<b>Boiling Point:</b>	300°F/148.8°C	<b>Specific Gravity:</b>	.9257			
<b>Vapor Pressure (mm, Hg):</b>	<.1	<b>% Volatile:</b>	>75			
<b>Vapor Density (Air = 1):</b>	Not Determined	<b>Evaporation Rate: (=1)</b>	Not Determined			
<b>Solubility in Water:</b>	Disperses	<b>pH:</b>	Not Applicable			
<b>Appearance and Odor:</b> Dark color, slight aromatic odor.						
<b>SECTION 4 – FIRE AND EXPLOSION HAZARD DATA</b>						
<b>Flash Point (Method) °F/°C:</b> 126°F/52°C PMCC		<b>Flammability Limits UEL &amp; LEL</b> ----Not Determined				
<b>Extinguishing Media:</b> Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.						
<b>Special Fire Fighting Procedures:</b> For fires involving this material, do not enter any enclosed or confined space without protective equipment including self-contained breathing apparatus. Cool exposed containers with waterspray. Avoid breathing fumes..						
<b>Unusual Fire &amp; Explosion Hazards:</b> Vapors may be heavier than air and travel along the ground to a distant ignition source and flash back. Containers may rupture upon heating. The 2-Ethyl Hexyl Nitrate contained in this product may undergo a self-accelerating exothermic reaction if the product is heated above 212°F/100°C.						
<b>SECTION 5 - REACTIVITY HAZARD DATA</b>						
<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		<b>Hazardous Decomposition</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR				
<b>Conditions to Avoid:</b> High heat, high energy ignition sources						
<b>Incompatibility (Mat. to avoid):</b> Strong oxidizing agents, amines, phenols, halogen compounds.						
<b>Hazardous Decomposition Products:</b> Oxides of carbon and nitrogen and byproducts of in complete combustion..						
<b>Conditions to Avoid:</b> None.						
<b>SECTION 6 - HEALTH HAZARD DATA</b>						
<b>Threshold Limit Value and Sources:</b> None established.						
<b>Acute Effects of Overexposure:</b>						
<b>Ingestion:</b>	Nausea, abdominal discomfort, diarrhea.					
<b>Eye Contact:</b>	Liquid contact produces severe irritation to the eyes..					
<b>Skin Contact:</b>	Prolonged and repeated contact with the skin can cause redness or severe irritation. Product can be absorbed through the skin.					
<b>Inhalation:</b>	Inhalation of vapors can cause headache, dizziness, nausea, or decreased blood pressure...					
<b>CHRONIC EFFECTS OF OVEREXPOSURE:</b> Repeated overexposure can cause liver and kidney damage.						
<b>Emergency and First Aid Procedures:</b>						
<b>Swallowing:</b>	If a large amount of this material is swallowed give a large amount of water to drink. Do not induce vomiting. Seek medical attention immediately.					
<b>Skin:</b>	Wash skin thoroughly with soap and water. Launder contaminated clothing.					
<b>Inhalation:</b>	Remove victim to fresh air. If breathing has stopped start artificial respiration immediately.					
<b>Eyes:</b>	Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately					
<b>SECTION 7 – SPILL OR LEAK PROCEDURES</b>						
<b>Environmental Impact:</b> This material is not expected to present any environmental problems other than those associated with oil spills. If spilled into a watercourse, call the Coast Guard Toll Free No. 800-424-8802.						
<b>Procedures To Be Taken If Material Is Released or Spilled:</b> Eliminate all sources of ignition. Absorb spills with absorbent clay. Ventilate confined spaces. Keep out of sewers and watercourses.						
<b>Waste Disposal Method:</b> Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations. This product is expected to be an RCRA hazardous waste due to its reactivity, flammability D001 and presence of 0.02725% Benzene D018						

<b>SECTION 8 – SPECIAL PROTECTION INFORMATION</b>	
<b>Respiratory Protection:</b>	None required under ordinary conditions of use. Use NIOSH/MSHA approved full face respirator with an organic cartridge if the recommended exposure limit is exceeded or when working with this material in a confined space.
<b>Ventilation:</b>	Use explosion proof ventilation to control vapor concentration.
<b>Eye Protection:</b>	Chemical resistant goggles or full face shield.
<b>Protective Clothing:</b>	Viton or Nitrile gloves. Wear long sleeve shirt or chemical protective suit and neoprene boots.
<b>SECTION 9 – SPECIAL PRECAUTIONS</b>	
<b>Precautions To Be Taken In Handling and Storage:</b> Do not store near heat, spark, flame or strong oxidizers. Keep containers closed when not in use.	
<b>Special Comments:</b> Avoid breathing vapors. Avoid prolonged or repeated skin contact. Remove contaminated shoes and clothing. Throw away shoes. Launder clothing before reuse. Wash thoroughly with soap and water after use.	

<b>SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA</b>			
<b>HMIS &amp; NFPA Ratings:    Health = 2            Fire = 2            Reactivity = 1</b>			
<p>Contaminated clothing should be disposed of properly and/or decontaminated before reuse. Under no circumstance should vomiting be induced. Vomiting can cause aspiration of the product into the lungs. If aspirated into the lungs, chemical pneumonia, which may cause death in spite of treatment with oxygen and antibiotics, may result.</p>			
<p>This product does not contain greater than 0.1% of the chemicals that are listed as potential cancer causing agents as determined by the National Toxicology Program's Annual Reports, OSHA's Subpart Z List, The International Agency for Cancer Research's Monographs.</p>			
<p>This product contains 0.02725% Benzene CAS #71-43-2 which is one of the chemicals that are listed on the State of California's Proposition 65 list as a potential cancer causing agent or reproductive toxin.</p>			
<p>For SARA Title III Information, see next page.</p>			
<p>This product is an IRC (ignitable, corrosive, reactive) substance under CERCLA. If 43 gallons of the material is spilled which will release 100lbs. of 2-Ethyl Hexyl Nitrate into the environment and unless the material is cleaned up immediately for reprocessing, recycling or reuse this may trigger the reporting requirements of CERCLA Section 103.</p>			
<p>All of the ingredients of this product are on the US TSCA Inventory list and are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List.</p>			
<p>DOT Shipping Name: UN1993 Flammable Liquids, N.O.S., (Light Aromatic Naphtha, 2 Ethyl Hexyl Nitrate, Heavy Hydrotreated Aromatic Naphtha), 3, PGIII, Limited Quantity</p>			
<p>IMDG Shipping Name: UN1993 Flammable Liquids, N.O.S., (Light Aromatic Naphtha, 2 Ethyl Hexyl Nitrate, Heavy Hydrotreated Aromatic Naphtha), 3, PGIII Marine Pollutant (2-Ethyl Hexyl Nitrate, 1,2,4 Trimethylbenzene, Naphthalene), Limited Quantity</p>			
<p>IATA Shipping Name: UN1993 Flammable Liquids, N.O.S., (Light Aromatic Naphtha, 2 Ethyl Hexyl Nitrate, Heavy Hydrotreated Aromatic Naphtha), 3, PGIII, Limited Quantity</p>			

SARA Title III Information

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	TPQ	RQ (lbs.)	TPQ (gal*)	RQ (gal*)
Benzene	71-43-2	0.02725		10		4,761

II. CERCLA Section 102(a) & 302.4 Hazardous Substance & Section 313 Toxic Chemical

Component	CAS#	%	RQ (lbs.)	RQ (gals.)
Benzene	71-43-2	0.02725	10	4,761
Xylene	1330-20-7	1.59	100	817
Cumene	98-82-6	0.165	5000	393,112
Ethylbenzene	100-41-4	<2.7	1000	4,760
Naphthalene	91-20-3	0.2725	100	4,761

Section 313 Chemicals

Component	CAS#	%
Diethylene Glycol Monoethyl ether	111-76-3	0.2125
Benzene	71-43-2	0.02725
Xylene	1330-20-7	1.59
Cumene	98-82-6	0.165
Ethylbenzene	100-41-4	0.3
Naphthalene	91-20-3	0.2725

\*Product RQ for Stationary Source to release Regulatory Requirement RQ as specified by CERCLA.

III. Title III Section 311 Hazard Categorization

Acute	Chronic	Fire	Pressure	Reactivity
X	X	X		X

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