

# MATERIAL SAFETY DATA SHEET

<b>Manufacturer:</b> Schaeffer Mfg. Company		<b>Emergency Response Number:</b>				
<b>Address:</b> 102 Barton Street		314-865-4105(24-hour Emergency Response				
<b>Address:</b> St. Louis, MO 63104		Number or 800-325-9962				
<b>SECTION 1 – PRODUCT INFORMATION</b>						
<b>Chemical Family:</b> Petroleum Hydrocarbons			<b>Trade Name:</b> #137SUM DIESEL TREAT 2000 SUMMER			
<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>
Proprietary Ingredients	Mixture	18-25	NE		NE	
Benzene	71-43-2	0.00216	0.5		1	
Light Aromatic Naphtha	64742-95-6	1-2.5	50			
2-Ethyl Hexyl Nitrate	27247-96-7	2-8	8			
Xylene	1330-20-7	<3.02	100	434	100	435
Heavy Aromatic Solvent Naphtha	64742-94-5	3.6-22	50			
Petroleum Distillates	64742-47-8	35-50	200		500	1200
Ethylbenzene	100-41-4	<4.6	100	434	100	435
Naphthalene	91-20-3	0.61-2.56	10		10	50
Cumene	98-82-8	0.5-0.245	50	246	50	246
1,2,4 Trimethylbenzene	95-63-6	1.01-7.69	25	123	25	125
Trimethylbenzene (mixed isomers)	25551-13-7	0.36-1.764	50			
1,3,5 Trimethylbenzene	108-67-8	0.25-0.75	25			
Ethylbenzene	100-41-4	<4.6	100		100	435
2-butoxyethanol	111-76-2	5-10	NE		NE	
<b>Section 3 – PHYSICAL DATA</b>						
<b>Boiling Point:</b>	>300°F/>148.8°C	<b>Specific Gravity:</b>	0.9136-0.9249			
<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> 124°-131°F/51°-55°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-Ethylhexyl 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. By products of incomplete 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 skin contact may cause redness, severe irritation and defatting of skin. Product may 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 or over exposure 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>	Remove contaminated clothing. Wash skin thoroughly with soap and water.					
<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 a RCRA hazardous waste due to its flammability D001, reactivity and presence of 0.00216% Benzene D018.						

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<b>SECTION 8 – SPECIAL PROTECTION INFORMATION</b>	
<b>Respiratory Protection:</b>	None required under ordinary conditions of use. Use a NIOSH/MSHA approved full-face respirator with an organic vapor 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. Properly bond and ground containers and transferring equipment when transferring this product to different containers.	
<b>Special Comments:</b> This product is a combustible liquid. Avoid breathing vapors. Avoid prolonged or repeated skin contact. Remove contaminated shoes and clothing, launder before reuse. Throw away shoes. Wash skin thoroughly with soap and water after handling, or before eating, drinking or using toilet facilities. Keep away from food and feed products	
<b>SECTION 10-ADDITIONAL HEALTH AND TOXICOLOGICAL INFORMATION</b>	
<b>HMIS &amp; NFPA RATINGS</b> <b>Health = 2 Fire = 2 Reactivity = 1</b>	
Contaminated clothing should be discarded or properly and/or decontaminated before reuse.	
Under no circumstances 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 occur.	
This product contains .00216% Benzene CAS#71-43-2%, 0.61-2.56% Naphthalene CAS #91-20-3 and <0.46% Ethylbenzene CAS 100-41-4 which are listed as potential cancer causing agents as determined by the National Toxicology Program's Annual Reports, the International Agency For Cancer Research's Monographs or OSHA's Subpart Z list.	
This product contains 00216% Benzene CAS#71-43-2%, 0.61-2.56% Naphthalene CAS #91-20-3 and <0.46% Ethylbenzene CAS 100-41-4 which are listed on the State of California's Proposition 65 list as potential cancer causing agents or reproductive toxins.	
This product is an ICR (ignitable, corrosive, reactive) substance under CERCLA. If 260 gallons of the material is spilled which will release 100lbs of 2-Ethylhexyl 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.	
For SARA Title III Information see below	
DOT Non-Bulk Description 2 X 2 ½ gallon cases: 5 gallon pails, 30gal, 55 gallon drums:: UN1993,Flammable Liquids, N.O.S., (Petroleum Naphtha, Heavy Aromatic Naphtha, Ethylbenzene, Naphthalene, 2-Butoxyethanol), 3, PGIII	
DOT Bulk Description: 275 – gallon totes: : UN1993,Flammable Liquids, N.O.S., (Petroleum Naphtha, Heavy Aromatic Naphtha, Ethylbenzene, Naphthalene, 2-Butoxyethanol), 3, PGIII, Marine Pollutant (2-Ethylhexyl Nitrate, 1,2,4-Trimethylbenzene, Naphthalene)	
Dot Bulk Description >430 gallons : : UN1993,Flammable Liquids, N.O.S., (Petroleum Naphtha, Heavy Aromatic Naphtha, Ethylbenzene, Naphthalene, 2-Butoxyethanol), 3, PGIII, RQ, (Xylene, Naphthalene), Marine Pollutant (2-Ethylhexyl Nitrate, 1,2,4-Trimethylbenzene, Naphthalene)	
IMDG Description: UN1993,Flammable Liquids, N.O.S., (Petroleum Naphtha, Heavy Aromatic Naphtha, Ethylbenzene, Naphthalene, 2-Butoxyethanol), 3, PGIII, Marine Pollutant (2-Ethylhexyl Nitrate, 1,2,4-Trimethylbenzene, Naphthalene), ( Flash Point 51°-55°C PMCC)	

SARA Title III Information

**I. Section 302/304 Extremely Hazardous**

Component	CAS#	%	RQ (lbs.)	RQ (gal*)
Benzene	71-43-2	0.00216	10	6,013

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

Component	CAS#	%	RQ (lbs.)	RQ (gals.)
Benzene	71-43-2	0.00216	10	6,013
Xylene	1330-20-7	<3.02	100	430
Cumene	98-82-6	0.5-0.245	5000	264,972
Ethylbenzene	100-41-4	<4.6	1000	2,822
Naphthalene	91-20-3	0.61-2.56	100	507

**Section 313 Chemicals**

Component	CAS#	%
2-Butoxyethanol	111-76-2	5-10
Benzene	71-43-2	0.00216
Xylene	1330-20-7	<3.02
Cumene	98-82-6	0.5-0.245
Ethylbenzene	100-41-4	<4/6
Naphthalene	91-20-3	0.61-2.56

\*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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