

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company		Emergency Response Number:				
Address: 102 Barton Street		314-865-4105 (24hr emergency number) or				
Address: St. Louis, MO 63104		800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Petroleum Hydrocarbons			Trade Name: #137B Diesel Treat 2000			
Formula: Proprietary Mixture.						
SECTION 2 – HAZARDOUS INGREDIENTS						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m ³	ppm	mg/m ³
Light Aromatic Naphtha	64742-95-6	13 – 24.5			50	
1,2,4-Trimethylbenzene	95-63-6	7 – 8.5	25		25	
Aromatic Solvent Naphtha	64742-94-5	0.8	100			
Hydrotreated Heavy Aromatic Naphtha	64742-48-9	29 - 32	NE		NE	
Vinyl Acetate Monomer	108-05-4	0.15	35		10	
2-Butoxyethanol	111-76-2	9 –12	25	121	50	240
Benzene	71-43-6	0.0305	10	32	10	
Diethylene Glycol Monoethyl Ether	111-77-3	0.425	NE			
Proprietary Polymers	Mixture	14 - 23	NE			
Cumene	98-82-6	0.154	50	246	50	246
Ethylbenzene	100-41-4	3.65	100	434	100	435
2-Ethylhexyl Nitrate	27247-96-7	3 - 6	8			
Amines, polyethylene poly-reaction products with succinic anhydride isobutylene derivatives	84605-20-9	9-12	NE		NE	
Xylene	1330-20-7	3 – 6.5	100	434	100	
Naphthalene	91-20-3	0.305	100	434	100	435
Section 3 – PHYSICAL DATA						
Boiling Point:	300°F/148.8°C	Specific Gravity:	0.9182			
Vapor Pressure (mm, Hg):	Not Determined	% Volatile:	>75%			
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)	Not Determined			
Solubility in Water:	Negligible	pH:	Not Applicable			
Appearance and Odor: Tan Color, aromatic odor.						
SECTION 4 – FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F/°C: 115°F/46°C PMCC		Flammability Limits UEL & LEL ---- Not Determined				
Extinguishing Media: Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.						
Special Fire Fighting Procedures: 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.						
Unusual Fire & Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to distant ignition source and flash back. Container may rupture on heating. The 2 Ethylhexyl Nitrate contained in this product may undergo a self accelerating exothermic reaction if heated above 212°F (100°C).						
SECTION 5 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		Hazardous Decomposition <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR				
Conditions to Avoid: High heat, high energy ignition sources						
Incompatibility (Mat. to avoid): Strong oxidizing agents, amines, phenols, halogen compounds.						
Hazardous Decomposition Products: Oxides of carbon and nitrogen.						
Conditions to Avoid: None.						
SECTION 6 - HEALTH HAZARD DATA						
Threshold Limit Value and Sources: None established.						
Acute Effects of Overexposure:						
Ingestion:	Irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain. This material if ingested can directly enter the lungs or if subsequently swallowed. Once in the lungs it is very difficult to remove and can cause severe injury or death.					
Eye Contact:	Liquid contact produces irritation and redness to the eyes.					
Skin Contact:	Prolonged and repeated contact with the skin can cause redness or severe irritation.					
Inhalation:	Inhalation of vapors can cause headache, dizziness, nausea, or decreased blood pressure.					
CHRONIC EFFECTS OF OVEREXPOSURE: Repeated overexposure may cause destruction of red blood cells with anemia, fever, jaundice and kidney and liver damage.						
Emergency and First Aid Procedures:						
Swallowing:	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.					
Skin:	Wash skin thoroughly with soap and water. Launder contaminated clothing.					
Inhalation:	Remove victim to fresh air. If breathing is labored, administer oxygen. If breathing has stopped start artificial respiration immediately.					
Eyes:	Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately					

Date Prepared: 06/15/05

OF-1049 Rev. (1999)

SECTION 7 – SPILL OR LEAK PROCEDURES	
Environmental Impact:	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.
Procedures To Be Taken If Material Is Released or Spilled:	Eliminate all sources of ignition. Absorb spills with absorbent clay. Ventilate confined spaces. Keep out of sewers and watercourses.
Waste Disposal Method:	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 considered to be an RCRA hazardous waste due to the presence of 0.035% Benzene CAS#71-43-2 DO18 and its flammability D001.

SECTION 8 – SPECIAL PROTECTION INFORMATION	
Respiratory Protection:	Use NIOSH/MSHA approved fullface respirator with an organic vapor cartridge if the recommended exposure limits are exceeded.
Ventilation:	Use local exhaust ventilation to control mists or vapors.
Eye Protection:	Goggles or face shield.
Protective Clothing:	Long sleeve shirt is recommended. Wear either a chemical protective suit or apron when potential for contact with material exists. Use neoprene and nitrile rubber boots when necessary to avoid contaminating shoes. Wear nitrile or neoprene gloves.

SECTION 9 – SPECIAL PRECAUTIONS	
Precautions To Be Taken In Handling and Storage:	Do not store near heat, spark, flame or strong oxidizers. Keep containers closed when not in use. Adequate ventilation required. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating an accumulation of electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing and vacuum truck operations) and use appropriate mitigating procedures.
Special Comments:	This product is a DOT Class 3 flammable liquid. 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 and before eating, drinking, smoking, and using toilet facilities.

SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA	
HMIS & NFPA Ratings:	Health = 2 Fire = 2 Reactivity = 1
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.	
Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.	
This product contains 0.0305% of Benzene and 0.15% Vinyl Acetate Monomer CAS # 108-05-4 which are listed as potential cancer causing agents as determined by the National Toxicology Programs Annual Reports, OSHA's Subpart Z list, the International Agency for Cancer Research's Monographs.	
Proposition 65 State of California Warning: This product contains .0305% of Benzene CAS#71-43-2 and Vinyl Acetate Monomer CAS # 108-05-4 which have been found by the State of California to be a potential reproductive toxin and/or cancer-causing agent.	
This product is an IRC (ignitable, reactive, corrosive) substance under CERCLA. If 261.57 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 last page	
The materials in this product are listed on the US TSCA Inventory and are in compliance with the Canadian Environmental Protection Act.	
DOT Non Bulk Description: UN1993, Flammable liquids, N.O.S., (Light Aromatic Naphtha,2-Butoxyethanol , Hydrotreated Heavy Naphtha),3, PGIII	
Bulk:>275 gallons UN1993, Flammable Liquids: N.O.S., (Heavy Aromatic Naphtha,2-Butoxyethanol, Hydrotreated Heavy Naphtha),3,PG III,RQ, (Xylene),Marine Pollutant,(1,2,4-Trimethylbenzene,2-Ethylhexyl Nitrate,Naphthalene)	

SARA TITLE III INFORMATION

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	RQ (lbs.)	RQ (gal.)*
Benzene	71-43-2	.0305	10	4,288
Vinyl Acetate Monomer	108-05-4	0.15	5000	435,958

II. Section 102(a) CERCLA Hazardous Substance

Component	CAS#	%	RQ (lbs.)	RQ (gals.)
Cumene	98-82-6	0.154	5000	424,63
Xylene	1330-20-7	3 –6.5	100	209
Benzene	71-43-2	.0305	10	4,288
Ethylbenzene	100-41-4	3.65	1000	3,583
Naphthalene	91-20-3	0.305	100	4,288
Vinyl Acetate Monomer	108-05-4	0.15	5000	435,958

*Product RQ for Stationary Sources in case of spill in order to release Regulatory Requirements RQ as specified by CERCLA

III. Title Section 311 Hazardous Categorization

Acute	Chronic	Fire	Pressure	Reactivity
X	X	X		X

IV. Section 313 Toxic Chemical

Component	CAS#	%
Xylene	1330-20-7	3 – 6.5
Benzene	71-43-2	0.0305
Vinyl Acetate	108-05-4	0.15
2-Butoxyethanol	104-76-7	9-12
Ethylbenzene	100-41-4	0.305
Cumene	98-82-6	0.154
Diethylene Glycol Monoethyl Ether	111-77-3	0.425

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