

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company		Emergency Response Number:				
Address: 102 Barton Street		314-865-4105 (24-Emergency Number) or				
Address: St. Louis, MO 63104		800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Petroleum Hydrocarbons			Trade Name: #137AND DIESEL TREAT 2000 WITH FLOW IMPROVER			
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
Amines, polyethylene poly-reaction products with succinic anhydride isobutylene derivatives	84605-20-9	7-8	NE		NE	
Light Aromatic Solvent Naphtha	64742-95-6	13-16			50	
Heavy Aromatic Naphtha	64742-94-5	0.4			50	
Xylene	1330-20-7	2.5-4.5	100	434	100	435
2-Ethylhexyl Nitrate	27247-96-7	25-35	8			
Proprietary Polymers	Mixture	8 – 14	NE		NE	
2-Butoxyethanol	111-76-2	6-8	NE		NE	
Vinyl Acetate Monomer	108-05-4	0.1	35		10	
Diethylene Glycol Monomethyl Ether	111-76-2	0.425	NE		NE	
1,2,4 Trimethylbenzene	95-63-6	5 - 6	25		25	
Naphthalene	91-20-3	0.275	25		25	
Ethylbenzene	100-41-4	2.77	100	434	100	435
Benzene	71-43-2	0.0275	10	32	10	
Hydrotreated Heavy Naphtha	64742-48-9	26 – 29	NE		NE	
Cumene	98-82-8	0.11	50	246	50	245
Section 3 – PHYSICAL DATA						
Boiling Point:	300°F/148.8°C	Specific Gravity:	0.9279			
Vapor Pressure (mm, Hg):	<.1	% Volatile:	80-100%			
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)	Not Determined			
Solubility in Water:	Disperses	pH:	Not Applicable			
Appearance and Odor: Dark color, slight aromatic odor.						
SECTION 4 – FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F/°C: 124°F/51°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: 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.						
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. By products of incomplete combustion.						
Conditions to Avoid: None.						
SECTION 6 - HEALTH HAZARD DATA						
Threshold Limit Value and Sources: None Established.						
Acute Effects of Overexposure:						
Ingestion:	Nausea, abdominal discomfort, diarrhea					
Eye Contact:	Liquid contact produces severe irritation to the eyes.					
Skin Contact:	Prolonged and repeated skin contact may cause redness, severe irritation and defatting of skin. Product may be absorbed through the skin..					
Inhalation:	Inhalation of vapors can cause headache, dizziness, nausea, or decreased blood pressure..					
CHRONIC EFFECTS OF OVEREXPOSURE: Repeated or over exposure can cause liver and kidney 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:	Remove contaminated clothing. Wash skin thoroughly with soap and water.					
Inhalation:	Remove victim to fresh air. If breathing has stopped, start artificial respiration immediately.					
Eyes:	Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately.					
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 expected to be a RCRA hazardous waste due to its flammability D001 and the presence of 0.0275% Benzene D018 and its reactivity.						

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SECTION 8 – SPECIAL PROTECTION INFORMATION	
Respiratory Protection:	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.
Ventilation:	Use explosion proof ventilation to control vapor concentration.
Eye Protection:	Chemical resistant Goggles or full face shield.
Protective Clothing:	Viton or Nitrile gloves. Wear long sleeve shirt or chemical protective suit and neoprene boots
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. Properly bond and ground containers and transferring equipment when transferring this product to different containers.	
Special Comments: This product is a flammable 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	
SECTION 10-ADDITIONAL HEALTH AND TOXICOLOGICAL INFORMATION	
HMIS & NFPA RATINGS Health = 2 Fire = 2 Reactivity = 1	
Contaminated clothing should be discarded of 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 0.1% of Vinyl Acetate Monomer CAS #108-05-4 , which is listed as possible cancer causing agents on the National Toxicological Programs Annual Reports, the International Agency For Cancer Research's Monographs or OSHA's Subpart Z list.	
This product is an IRC (ignitable, reactive, corrosive) substance under CERCLA. If 43 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.	
This product does contains 0.0275% Benzene CAS# 71-43-2 and 0.1 Vinyl Acetate Monomer CAS# 108-05-4 which are listed on the State of California's Proposition 65 list as potential cancer causing agents or reproductive toxins.	
For EPA SARA Title III and CERCLA information, see last page.	
DOT Non Bulk Description: UN1993, Flammable Liquids, N.O.S., (Hydrotreated Heavy Naphtha, 2-Ethylhexyl Nitrate, Xylene), 3, PGIII DOT Bulk Description: 275 gallon IBC UN1993, Flammable Liquids, N.O.S., (Hydrotreated Heavy Naphtha, 2-Ethylhexyl Nitrate, Xylene),3,PGIII, RQ, (Xylene), Marine Pollutant, (2-Ethylhexyl Nitrate, 1,2,4,Trimethylbenzene, Naphthalene) >650 gallons: UN1993, Flammable Liquids, N.O.S., (Hydrotreated Naphtha, 2-Ethylhexyl Nitrate, Xylene),3, PGIII, RQ, (Xylene), Marine Pollutant, (2-Ethylhexyl Nitrate, 1,2,4,Trimethylbenzene, Naphthalene)	
All of the ingredients of this product are listed on the USA TSCA Inventory List and are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List	

SARA TITLE III INFORMATION

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	RQ (lbs.)	RQ (gal.)*
Benzene	71-43-2	0.0275	10	4,706
Vinyl Acetate Monomer	108-05-4	0.1	5000	687,758

II. Section 102(a) CERCLA Hazardous Substance

Component	CAS#	%	RQ (lbs.)	RQ (gal)*
Xylene	1330-20-7	2.5-4.5	100	284
Cumene	98-82-8	0.11	5000	588,256
Ethylbenzene	100-41-4	2.77	1000	4,672
Naphthalene	91-20-3	0.275	100	4,706
Benzene	71-43-2	0.0275	10	4,706
Vinyl Acetate Monomer	108-05-4	0.1	5000	687,758

*Product RQ for Stationary Sources Release Regulatory in case of a spill in order to release regulated quantity.

III. Title Section 311 Hazardous Categorization

AcuteC	Chronic	Fire	Pressure	Reactivity
X	X	X		X

IV. Section 313 Toxic Chemical

Component	CAS#	%
Xylene	1330-20-7	2.5-4.5
Cumene	98-82-8	0.11
2-Butoxyethanol	111-76-2 6-8	6-8
Ethylbenzene	100-41-3	2.77
Naphthalene	91-20-3	0.275
Benzene	71-43-6	0.0275
Diethylene Glycol		
Monoethyl Ether	111-77-3	0.435
Vinyl Acetate Monomer	108-05-04	0.1

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