

# 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 Number)				
<b>Address:</b> St. Louis, MO 63104		or 800-325-9962				
<b>SECTION 1 – PRODUCT INFORMATION</b>						
<b>Chemical Family:</b> None		<b>Trade Name:</b> #131C Soy Ultra Gasoline Additive Bulk				
<b>Formula:</b> Proprietary Formulation						
<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>
Xylene	1330-20-7	0-22.12	100	434	100	435
Ethylbenzene	100-41-4	4.81	100	435	100	435
Naphthalene	91-20-3	0.153	25		25	
Methyl Soyate	67762-38-2	Proprietary to formulation	NE		NE	
Proprietary Ingredients	Mixture – Trade Secret	45-65	NE		NE	
Petroleum Distillates	15-20	64742-47-8		200	NE	
<b>Section 3 – PHYSICAL DATA</b>						
<b>Boiling Point:</b>	IBP 298°F/148°C	<b>Specific Gravity:</b>	0.8899			
<b>Vapor Pressure (mm, Hg):</b>	Not Determined	<b>% Volatile:</b>	Not Determined			
<b>Vapor Density (Air = 1):</b>	>1	<b>Evaporation Rate: (=1)</b>	Not Determined			
<b>Solubility in Water:</b>	Insoluble	<b>pH:</b>	Not Applicable			
<b>Appearance and Odor:</b> Tan to dark color, aromatic and amine like odor						
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>						
<b>Flash Point (Method) °F/°C:</b> 122°F/50°C PMCC (ASTM D-93)		<b>Flammability Limits UEL &amp; LEL ----:</b> Not Determined				
<b>Extinguishing Media:</b> CO <sub>2</sub> , dry chemical foam, waterfog. Water or foam may cause frothing. Use water to cool exposed containers.						
<b>Special Fire Fighting Procedures:</b> Recommend wearing positive pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing..						
<b>Unusual Fire &amp; Explosion Hazards:</b> Toxic fumes, gases, or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Oil soaked rags can cause spontaneous combustions if not handled properly. Before disposal, wash rags with soap and water and dry in a well ventilated area.						
<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> None						
<b>Incompatibility (Mat. to avoid):</b> Strong oxidizers and Nitrates. The addition of Nitrates to the product can cause the formation of nitroamines.						
<b>Hazardous Decomposition Products:</b> Oxides of carbon, ammonia, nitrogen oxides, aldehydes and ketones						
<b>Conditions to Avoid:</b> None						
<b>SECTION 6 - HEALTH HAZARD DATA</b>						
<b>Threshold Limit Value and Sources:</b> None currently established by OSHA or ACGIH.						
<b>Acute Effects of Overexposure:</b>						
<b>Ingestion:</b>	Nausea, diarrhea, gastrointestinal irritation, abdominal discomfort					
<b>Eye Contact:</b>	Severe eye irritation with tearing, reddening and swelling of the eye and surrounding tissues					
<b>Skin Contact:</b>	Prolonged and repeated contact with the skin may cause irritation and redness. Wear clothing that is wetted with this material may cause severe irritation and discomfort.					
<b>Inhalation:</b>	May cause irritation of the upper respiratory system, nausea, headache and drowsiness..					
<b>CHRONIC EFFECTS OF OVEREXPOSURE:</b> Overexposure to aromatic solvents may cause destruction of red blood cells with anemia, fever, jaundice, kidney and liver damage.						
<b>Emergency and First Aid Procedures:</b>						
<b>Swallowing:</b>	Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously keep head below hips to prevent aspiration into lungs. Seek medical attention immediately.					
<b>Skin:</b>	Wash skin thoroughly with soap and water. Discard contaminated clothing and shoes. Seek medical attention immediately.					
<b>Inhalation:</b>	Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately.					
<b>Eyes:</b>	Flush eyes with clear, cool, clean water for 15 minutes while holding eyelids apart to ensure flushing of entire surface of the eye. Seek medical attention immediately.					
<b>SECTION 7 – SPILL OR LEAK PROCEDURES</b>						
<b>Environmental Impact:</b> Large spills of this material that release the reportable quantity must be immediately reported to the National Response Center at 202-267-2675. If this material is spilled into a waterway or watercourse treat as an oil spill and immediately call the Coast Guard Toll Free Number (800) 424-8802.						
<b>Procedures To Be Taken If Material Is Released or Spilled:</b> Evacuate all non-essential personnel, eliminate ignition sources and wear protective equipment. Shut off source of the leak only if safe to do so. Contain spill. Recover free product. To clean up residue, flush sparingly with water or use absorbent material. Avoid runoff to ground water. Surface waters and sewers. If required notify local. State and federal authorities.						
<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 considered to be an RCRA hazardous waste due to its flammability D001						

SECTION 8 – SPECIAL PROTECTION INFORMATION	
<b>Respiratory Protection:</b>	Local exhaust or general ventilation
<b>Eye Protection:</b>	Chemical type goggles or face shield.
<b>Protective Clothing:</b>	Oil and solvent impervious gloves. Do not wear rings, watches or similar apparel that could entrap the material and cause skin irritation.
SECTION 9 – SPECIAL PRECAUTIONS	
<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. Avoid inhalation of mists and vapors. Do not get on skin, eyes or clothing. Keep containers closed when not in use.	
<b>Special Comments:</b> Avoid prolonged contact with skin. Wash thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.	
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA	
<b>HMIS &amp; NFPA Ratings: Health = 2 Fire = 2 Reactivity = 0</b>	
This product contains 4.81% Ethylbenzene CAS # 100-41-4 which is listed in the International Agency for Cancer Research Monographs as possibly carcinogenic to humans (Group 2B) This IRAC Classification is based upon limited evidence of carcinogenicity to animals and inadequate evidence of carcinogenicity to humans.	
This product contains 4.81% of Ethylbenzene CAS #100-41-4 which is found on the State of California's Proposition 65 List for chemicals classified as potential reproductive or cancer causing agent.	
For SARA Title III Information: see the next page	
All components 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 Substances List.	
DOT Proper Shipping Name: Non-Bulk: – UN1993, Flammable Liquids, N.O.S. (petroleum Distillates, Xylene, Ethylbenzene, ), 3, PGIII	
DOT Proper Shipping Name: Bulk: UN1993, Flammable Liquids, N.O.S. (Petroleum Distillates, Xylene, Ethylbenzene), 3, PGIII, RQ (Xylene)	
IMDG and IATA Description: 5 gallon pails, 30 and 55 gallon drums: UN1993, Flammable Liquids, N.O.S. (Petroleum Distillates, Xylene, Ethylbenzene), 3, PGIII	
IMDG and IATA Description 275 gallon Intermediate bulk container: UN1993, Flammable Liquids, N.O.S. (petroleum Distillates, Xylene, Ethylbenzene), 3, PGIII,RQ (Xylene)	

SARA Title III Information

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	TPQ	RQ (lbs.)	TPQ (gal*)	RQ (gal*)
None						

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

Component	CAS#	%	RQ (lbs.)	RQ (gals.)
Xylene	1330-20-7	0-22.12	100	61
Ethylbenzene	100-41-4	4.81	1000	2,802
Naphthalene	91-20-3	0.153	100	8,820

Section 313 Chemicals

Component	CAS#	%
Xylene	1330-20-7	0-22.12
Ethylbenzene	100-41-4	4.81
Naphthalene	91-20-3	0.153

\*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		

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