

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company		Emergency Response Number:				
Address: 102 Barton Street		314-865-4105 or				
Address: St. Louis, MO 63104		800-325-9962				
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: None		Trade Name: #131C Soy Ultra Gasoline Additive				
Formula: Proprietary Formulation						
SECTION 2 – HAZARDOUS INGREDIENTS						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m ³	ppm	mg/m ³
Xylene	1330-20-7	0.75-1	100	434	100	435
1,2,4 Trimethylbenzene	95-63-6	10	25		25	
Cumene	98-82-6	0.5	50	246	50	245
Methyl Soyate	67762-38-2	39-41	NE		NE	
Light Aromatic Solvent Naphtha	64742-95-6	24-26			50	
Section 3 – PHYSICAL DATA						
Boiling Point:	IBP 350°F/176.67°C	Specific Gravity:	0.882			
Vapor Pressure (mm, Hg):	Not Determined	% Volatile:	Not Determined			
Vapor Density (Air = 1):	>1	Evaporation Rate: (=1)	Not Determined			
Solubility in Water:	Insoluble	pH:	Not Applicable			
Appearance and Odor: Tan to dark color, aromatic and amine like odor						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) ° F/° C: 180°F/82.22°C PMCC (ASTM D-93)		Flammability Limits UEL & LEL ----Not Determined				
Extinguishing Media: CO ₂ , dry chemical foam, waterfog. Water or foam may cause frothing. Use water to cool exposed containers.						
Special Fire Fighting Procedures: Recommend wearing positive pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing..						
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 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.						
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: None						
Incompatibility (Mat. to avoid): Strong oxidizers and Nitrates. The addition of Nitrates to the product can cause the formation of nitroamines.						
Hazardous Decomposition Products: Oxides of carbon, ammonia, nitrogen oxides, aldehydes and ketones						
Conditions to Avoid: None						
SECTION 6 - HEALTH HAZARD DATA						
Threshold Limit Value and Sources: None currently established by OSHA or ACGIH.						
Acute Effects of Overexposure:						
Ingestion:	Nausea, diarrhea, gastrointestinal irritation, abdominal discomfort					
Eye Contact:	Severe eye irritation with tearing, reddening and swelling of the eye and surrounding tissues					
Skin Contact:	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.					
Inhalation:	May cause irritation of the upper respiratory system, nausea, headache and drowsiness..					
CHRONIC EFFECTS OF OVEREXPOSURE: Overexposure to aromatic solvents may cause destruction of red blood cells with anemia, fever, jaundice, kidney and liver damage.						
Emergency and First Aid Procedures:						
Swallowing:	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.					
Skin:	Wash skin thoroughly with soap and water. Discard contaminated clothing and shoes. Seek medical attention immediately.					
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 while holding eyelids apart to ensure flushing of entire surface of the eye. Seek medical attention immediately					
SECTION 7 – SPILL OR LEAK PROCEDURES						
Environmental Impact: 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..						
Procedures To Be Taken If Material Is Released or Spilled: 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.						
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 not considered to be an RCRA hazardous waste.						

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SECTION 8 – SPECIAL PROTECTION INFORMATION	
Respiratory Protection:	Local exhaust or general ventilation
Eye Protection:	Chemical type goggles or face shield.
Protective Clothing:	Oil impervious gloves. Do not wear rings, watches or similar apparel that could entrap the material and cause skin irritation.
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. Avoid inhalation of mists and vapors. Do not get on skin, eyes or clothing.	
Special Comments: 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	
HMIS & NFPA Ratings: Health = 2 Fire = 1 Reactivity = 0	
This product does not contain any of the chemicals listed on the National Toxicology Program Annual Reports on Carcinogens, The International Agency for Cancer Research Monographs and OSHA's 1910.10 Subpart Z List.	
This product does not contain any chemicals that are found on the State of California's Proposition 65 List for chemicals classified as potential reproductive or cancer causing agent.	
SARA Title III Information: This product contains 0.75-1% Xylene CAS#1330-20-7 and 1,2,4 Trimethylbenzene CAS#95-63-6 which are listed on the EPA's SARA Title III and CERCLA lists.	
If 1,461 gallons of this product is spilled this will release into the environment the reportable quantity of 100lbs. for Xylene CAS#1330-20-7.	
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: Bulk: <1400 gallons – Combustible Liquids, N.O.S. (Light Aromatic Solvent Naphtha, 1,2,4, Trimethylbenzene), 3, NA1993, PGIII, Marine Pollutant (1,2,4 Trimethylbenzene)	
DOT Proper Shipping Name: Bulk: <1400 gallons – Combustible Liquids, N.O.S. (Light Aromatic Solvent Naphtha, 1,2,4, Trimethylbenzene), 3, NA1993, PGIII, RQ (Xylene), Marine Pollutant (1,2,4 Trimethylbenzene)	
IMDG and IATA Description: 5 gallon pails, 30 and 55 gallon drums and 275 gallon immediate bulk tanks: Environmentally Hazardous Substance Liquid, N.O.S. (contains 1,2,4 Trimethylbenzene),9, UN3082, Marine Pollutant (1,2,4 Trimethylbenzene)	

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