

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company		Emergency Response Number: 314-865-4105 (24hr Emergency Response Number) or 800-325-9962				
Address: 102 Barton Street						
Address: St. Louis, MO 63104						
SECTION 1 – PRODUCT INFORMATION						
Chemical Family: Petroleum Hydrocarbons			Trade Name: #317 Kleen-Burn			
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	7 – 10.5	50		50	
Hydrotreated Heavy Aromatic Naphtha	64742-94-5	60 – 70	NE		NE	
Amines, polyethylene poly-reaction products with succinic anhydride isobutylene derivatives	84605-20-9	15 – 22	NE		NE	
Proprietary Polymers	Mixture	5 – 8%	NE		NE	
Heavy Aromatic Solvent Naphtha	64742-94-5	0.8	NE		NE	
Ethylbenzene	100-41-4	6.45	434	100	435	
Xylene	1330-20-7	3.65	434	100	434	100
Cumene	98-82-8	0.275	246	50	245	50
Naphthalene	91-20-3	0.645	25		25	
1,2,4 Trimethylbenzene	95-63-6	4 – 6	25	123	25	
Diethylene Glycol Monoethyl ether	111-77-3	0.42		NE		
Benzene	71-43-2	0.0645	10	32	10	
Section 3 – PHYSICAL DATA						
Boiling Point:	300°F/148.8°C	Specific Gravity:	0.9248			
Vapor Pressure (mm, Hg):	<.1	% Volatile:	>60%			
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)	Not Applicable			
Solubility in Water:	Disperses	pH:	Not Applicable			
Appearance and Odor: Tan to dark color, slight ammoniac odor.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F/°C: 122°F/50°C PMCC (ASTM D-93)		Flammability Limits UEL & LEL ----Not Determined				
Extinguishing Media: Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.						
Special Fire Fighting Procedures: Use air-supplied breathing apparatus for enclosed areas. Cool exposed containers with water spray. Avoid breathing fumes.						
Unusual Fire & Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning. Vapor may be heavier than air and may travel along the ground to a distant ignition source and flash back. Container may rupture on heating.						
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.						
Hazardous Decomposition Products: Oxides of carbon monoxide, nitrogen and by products of incomplete combustion.						
Conditions to Avoid: None						
SECTION 6 - HEALTH HAZARD DATA						
Threshold Limit Value and Sources: 5.0/mg/m ³ for oil mist. OSHA & ACGIH.						
Acute Effects of Overexposure:						
Ingestion:	Headache, dizziness, general weakness.					
Eye Contact:	Severe irritation and redness to eyes					
Skin Contact:	Prolonged and repeated skin contact may cause redness, edema, dryness and cracking of skin. This product has the potential to absorb through skin.					
Inhalation:	Breathing of vapors may cause headaches, dizziness, stupor and other CNS effects leading to difficulty breathing and convulsion.					
CHRONIC EFFECTS OF OVEREXPOSURE: Repeated overexposure to aromatic solvents 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:	Wash skin thoroughly with soap and water. Launder contaminated clothing.					
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 suitable absorbent material. Pick up with non-sparking tools and dispose of in a hazardous waste container. If spilled indoors turn off air conditioning and/or heating system to prevent vapors from contaminating the entire building. 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 not expected to be an RCRA hazardous waste.						

SECTION 8 – SPECIAL PROTECTION INFORMATION	
Respiratory Protection:	Use NIOSH/MSHA approved full-face 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. Store as a combustible liquid.	
Special Comments: Remove oil soaked clothing, launder before reuse. Wash skin thoroughly with soap and water after handling and before eating, drinking, smoking and using toilet facilities.	
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA	
HMIS & NFPA Ratings: Health = 2 Fire = 2 Reactivity = 0	
Contaminated clothing should be disposed of properly and/or decontaminated before reuse. Under no circumstances should vomiting be induced. Vomiting can cause aspiration into the lungs. If aspirated into the lungs, chemical pneumonia, which may cause death in spite of treatment with oxygen and antibiotics, may result.	
Due to the danger of aspiration, emesis of gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Activated charcoal may induce vomiting but may be given after emesis of lavage to absorb toxins.	
This product does not contain greater than 0.1% of any of the chemicals listed in the National Toxicology Programs Annual Report, IRAC's Monographs or on OSHA's Subpart Z list.	
This product does contain 0.0645% Benzene CAS #71-43-2 which has been found on the State of California's Proposition 65 List for chemicals as classified as a potential reproductive or cancer causing agent.	
This product does not contain any of the chemicals found on the US EPA's SARA Title III and CERCLA lists.	
All of the 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 Dangerous Substance Lists.	
DOT Shipping Non-Bulk 4X1 cases – UN1993, Flammable Liquids, N.O.S., (Light Aromatic Naphtha, Heavy Hydrotreated Naphtha, Xylene), 3, PGIII, Limited Quantities	
DOT Shipping Non-Bulk 5 gallon, 30 gallon and 55 gallon drums – UN1993, Flammable Liquids, N.O.S., (Light Aromatic Naphtha, Heavy Hydrotreated Naphtha, Xylene), 3, PGIII	
DOT Shipping Bulk <300 gallons – UN1993, Flammable Liquids, N.O.S., (Light Aromatic Naphtha, Heavy Hydrotreated Naphtha, Xylene), 3, PGIII	
DOT Shipping Bulk >300 gallons – UN1993, Flammable Liquids, N.O.S., (Light Aromatic Naphtha, Heavy Hydrotreated Naphtha, Xylene), 3, PGIII, RQ, (Xylene)	

SARA Title III Information

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	RQ(lbs.)	RQ(gal.)*
Benzene	71-43-2	0.0645	10	2,013

II. CERCLA Section 102(a) and 302.4 Hazardous Substances

Component	CAS#	%	RQ(lbs.)	RQ(gal.)*
Xylene	1330-20-7	3.65	100	355
Naphthalene	91-20-3	0.645	100	2,013
Cumene	98-82-6	0.275	5000	236,097
Ethylbenzene	100-41-4	6.45	1000	2,013

III. Section 313 Chemicals

Component	CAS#	%
Benzene	71-43-2	0.0645
Naphthalene	91-20-3	0.645
Diethylene Glycol Monomethyl Ether	111-77-3	0.42
Xylene	1330-20-7	3.65
Cumene	98-82-6	0.275
Ethylbenzene	100-41-4	6.45
1,2,4 Trimethylbenzene	95-63-3	4 - 6

*Product RQ for Stationary Sources to release the Regulatory Requirement RQ as specified by CERCLA in case of a spill.

IV. Title III Section 311 Hazardous Categorization

Acute	Chronic	Fire	Pressure	Reactivity
X	X	X		

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