

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: Citrus based liquid cleaner		Trade Name: #266 Citrol - Bulk				
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
D-limonene	5989-27-5	35-45	NE		NE	
Cocamide DEA	68603-42-9	3-5	NE		NE	
Poly (oxy-1-2-ethanediyl-nonylphenyl)-omega-hydroxy	9016459	3-5	NE		NE	
2-Butoxyethanol	111-76-2	10-15	25	121	50	240
Section 3 - PHYSICAL DATA						
Boiling Point:	207(F/97)C	Specific Gravity:	.9366			
Vapor Pressure @20° C (TORR) (mm. Hg):	17.5 (17.5mm)	% Volatile:	84-85			
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)	Not Determined			
Solubility in Water:	Emulsifiable	pH:	9			
Appearance and Odor: clear light yellow, citrus odor.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) °F/°C: 145(F/62.78)C C.O.C. 128(F/53.33)C PMCC		Flammability Limits UEL & LEL ----Not Determined				
Extinguishing Media: Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.						
Special Fire Fighting Procedures: Treat as a class B fire. Avoid breathing fumes. Do not enter any enclosed or confined space without protective equipment including self contained breathing apparatus.						
Unusual Fire & Explosion Hazards: Vapors can be denser than air and travel back to ignition source causing flashback to occur.						
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, sparks and open flames						
Incompatibility (Mat. to avoid): Strong oxidizing agents.						
Hazardous Decomposition Products: Carbon monoxide, aldehydes and ketones						
Conditions to Avoid: None						
SECTION 6 - HEALTH HAZARD DATA						
Threshold Limit Value and Sources: None established.						
Acute Effects of Overexposure:						
Ingestion:	Harmful if ingested. This product is corrosive to the mouth and esophagus if swallowed.					
Eye Contact:	At high concentrations when heated vapors are irritating to eyes, liquid contact produces severe irritation and possible eye burns.					
Skin Contact:	Slightly irritating with possible redness, edema or dryness to skin.					
Inhalation:	Inhalation of vapors of mists may cause dizziness, drowsiness and irritation to the mucous membranes.					
CHRONIC EFFECTS OF OVEREXPOSURE: None currently known						
Emergency and First Aid Procedures:						
Swallowing:	Do not induce vomiting. Drink milk or water to dilute. Seek medical attention immediately.					
Skin:	Remove contaminated clothing. Wash skin with copious amounts of soap and water. Launder contaminated clothing.					
Inhalation:	Remove victim to fresh air. If breathing is labored administer oxygen.					
Eyes:	Flush eyes with clear, cool, clean water for 30 minutes. Seek medical attention immediately					
SECTION 7 - SPILL OR LEAK PROCEDURES						
Environmental Impact: This product is biodegradable, as such it does not pose any undue environmental hazards. This product is not hazardous waste if it is discarded in the purchased form.						
Procedures To Be Taken If Material Is Released or Spilled: Absorb spills with absorbent material. Ventilate confined spaces. Large spills should be diked then pumped into a tank or drums for disposal. After material has been removed, flush contaminated area with large amounts of water.						
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. For spent product, allow oils and oily wastes to separate, skim off top layer and discharge bottom layer in accordance with EPA regulations. Product in its neat form would be considered an RCRA hazardous waste due to its flammability D001.						
SECTION 8 - SPECIAL PROTECTION INFORMATION						
Respiratory Protection:	None required under ordinary conditions of use.					
Ventilation:	No special requirement under ordinary conditions of use and with adequate ventilation.					
Eye Protection:	Goggles or face shield.					
Protective Clothing:	Use apron & boots as required. Solvent resistant neoprene or rubber gloves.					

SECTION 9 – SPECIAL PRECAUTIONS	
Precautions To Be Taken In Handling and Storage: Do not store near heat, sparks or open flames. Launder contaminated clothing before reuse. Wash thoroughly with soap and water after use. Keep containers closed when not in use. Flammable according to current DOT regulations.	
Special Comments: This product is a combustible liquid. Do not reuse container. Dispose of the container in accordance with local, state and federal EPA regulations. Do not store near food or feed products.	
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA	
HMIS & NFPA Ratings: Health = 2 Fire = 2 Reactivity = 0	
This product does not contain any of the chemicals at 1% level that are considered to be a cancer causing or suspected of causing cancer by 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.	
Medical conditions aggravated by product: dermatitis, cuts and abrasions.	
Do not use nitrosating agents with this product since nitrosamine may form. Some nitrosamine have been shown to be carcinogenic.	
All the ingredients in this product are on TSCA list and are in compliance with the Canadian Environmental Protection Act.	
The VOC content according to EPA Method 24 is 3.48 lb./gal	

SARA Title III Information

I. Section 302/304 Extremely Hazardous
 Component CAS# % RQ (lb) RQ (gal.)*
 None

II. CERCLA Section 102 (a) Hazardous Substance
 Component CAS# % RQ (lb) RQ (gal)*
 None

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

III. Section 313 Toxic Chemical
 Component CAS# %
 2-Butoxyethanol 111-76-2 10-15

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