

MATERIAL SAFETY DATA SHEET

Manufactured For: 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: Polyol Esters & Additives		Trade Name: #620 Synquench FRH Fluid					
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	
Neopentyl glycol oleic acid ester	42222-50-4	97-99		5		5	5
Phenol	108-95-2	.001	5	19	5	19	19
Butylated Phenols		.28-.35		NE		NE	NE
Diphenylamine	122-39-4	.007-.01		10			10
Section 3 – PHYSICAL DATA							
Boiling Point:	>400°F/190.22°C	Specific Gravity:					.91
Vapor Pressure (mm, Hg):	Not Determined	% Volatile:					Not Determined
Vapor Density (Air = 1):	>10	Evaporation Rate: (=1)					Not Determined
Solubility in Water:	Insoluble	pH:					Not Applicable
Appearance and Odor:							
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA							
Flash Point (Method) ° F° C: 560°F/293.3°C C.O.C. (ASTM D-92)				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.							
Unusual Fire & Explosion Hazards: None expected.							
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 oxidants							
Hazardous Decomposition Products: Oxides of carbon, sulfur, nitrogen, phosphorus, and molybdenum.							
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:	Nausea and Diarrhea.						
Eye Contact:	Irritation and redness to eyes						
Skin Contact:	Prolonged and repeated contact with the skin can cause irritation and redness to skin.						
Inhalation:	Vapors can be given off under high heat conditions excessive breathing of vapors can cause irritation of the respiratory tract.						
CHRONIC EFFECTS OF OVEREXPOSURE: None currently known							
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 is labored administer oxygen. 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: Immediately absorb spilled material with absorbent clay, diatomaceous earth or other suitable material. Keep out of sewers and waterways.							
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.							
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:	None required						

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.		
Special Comments: Remove oil soaked clothing, launder before reuse. Wash skin thoroughly with soap and water after handling. Throw away oil soaked shoes. Keep away from food and feed products.		
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA		
HMIS & NFPA Ratings: Health = 1 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.		
All of the components in this material are on the US TSCA Inventory. All of the components in this material are in compliance with the Canadian Environmental Protection Act.		

SARA Title III Information

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	TPQ(lb.)	RQ (gal)*
Phenol	108-95-2	.001	500	69,022.64-72,790.8

II. Section 102(a) CERCLA Hazardous Substances

Component	CAS#	%	RQ (lbs.)	RQ(gal)*
Phenol	108-95-2	.001	1000	138,045.3-145,581.6

* Product RQ for Stationary Source in case of a spill in order to release the regulatory requirement.

III. Section 313 Toxic Chemical

Component	%	CAS#
Phenol	.001	108-95-2

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