

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: Hydro Carbon		Trade Name: #301 Tank Dry				
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
2-Butoxyethanol	111-76-2	79-81	NE		NE	
Methanol	67-56-1	17-19	200	262		
Dodeceny Succenic Acid	27859-58-1	1.5	NE		NE	
Section 3 – PHYSICAL DATA						
Boiling Point:	147°-188°F/64°-82°C	Specific Gravity:	.8813			
Vapor Pressure (mm, Hg):	Not Determined	% Volatile:	100			
Vapor Density (Air = 1):	1.5	Evaporation Rate: (=1)	Not Determined			
Solubility in Water:	Soluble	pH:	Not Determined			
Appearance and Odor: Colorless liquid, Alcohol odor.						
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA						
Flash Point (Method) ° F° C: 107°F/41.67°C PMCC (ASTM D-93)		Flammability Limits UEL & LEL ----Not Determined				
Extinguishing Media: Dry chemical foam, alcohol foam, CO ₂ for small fires, For large fires use alcohol foam.						
Special Fire Fighting Procedures: Isolate Hazard area and deny entry. Stay upwind. Wear self-contained breathing apparatus in the positive pressure mode and chemical protective clothing specifically recommended for methanol.						
Unusual Fire & Explosion Hazards: Extremely dangerous fire and explosion hazard when exposed to heat and flame. Methanol and Isopropanol are extremely flammable and will form explosive mixture with air. Vapors can travel a considerable distance to a source of ignition and flash back.						
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 and open flame.						
Incompatibility (Mat. To avoid): Strong oxidizers, aluminum, zinc or metals that displace hydrogen, rubber, rubber baked coatings, chromicanhydride, lead perchlorate and pershloris acids.						
Hazardous Decomposition Products: Carbon monoxide and toxic vapors such as formaldehyde.						
Conditions to Avoid: None						
SECTION 6 - HEALTH HAZARD DATA						
Threshold Limit Value and Sources: Supplier Limit 200ppm TWA and 250ppm STEL.						
Acute Effects of Overexposure:						
Ingestion:	Headache, weakness, drowsiness, light headedness, nausea, vomiting, drunkenness and blurred vision. Ingestion of large amounts result in death.					
Eye Contact:	Severe irritation to eyes.					
Skin Contact:	May cause defatting of the skin and cause dermatitis. Product can be absorbed through skin.					
Inhalation:	Irritation of the upper respiratory tract, drowsiness, light headedness, vomiting, blurred vision.					
CHRONIC EFFECTS OF OVEREXPOSURE: Kidney and liver damage. Vertigo, chills, nausea, vomiting, insomnia, blindness, edema.						
Emergency and First Aid Procedures:						
Swallowing:	If the chemical is ingested and the person is conscious, induce vomiting immediately. Keep victims head below hips while vomiting. Then give 2 teaspoons of baking soda in a glass of water. Do not induce vomiting if person is unconscious. Seek medical attention immediately.					
Skin:	Promptly wash with soap and water for at least 15 minutes. If chemical is spilled on clothing immediately remove and wash skin with soap and water if the chemical has penetrated the clothing. Throw away product soaked shoes.					
Inhalation:	Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately. Seek medical attention immediately.					
Eyes:	Immediately flush eyes with large amounts of clear cool running water for 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Seek medical attention immediately. Continue flushing with water for additional 15 minutes if medical attention is not immediately available.					
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: Shut off all sources of ignition. No smoking or flares allowed in spill area. Restrict access to the spill area and move unprotected personnel upwind. Keep out of low areas. Allow only trained personnel wearing Self Contained Breathing Apparatus and Level A or Level B chemical protective suits in the vicinity of the spill to facilitate cleanup. Do not touch spilled material. Stop leaks if you can do so without risks. If fire potential exists, cover spill with foam. Prevent product from entering water bodies, drains and any sewage collection system. Absorb spills with sand or other non-combustible absorbent material and place into containers for later disposal. Control large spills by diking. If greater than 1,800 gallons of the product is spilled, immediately report the spill to The National Response Center 800-424-8802 since the reportable quantity of 5000 lbs. of methanol will have been releases into the environment.						
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 considered to be an RCRA hazardous waste. Due to the flammability D001 and the presence of Methanol CAS#67-56-1 F-003.						

SECTION 8 – SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Use appropriate NIOSH approved respirator to prevent overexposure in accordance with 29CFR 1910.134.
Ventilation:	Provide local ventilation to maintain exposure levels.
Eye Protection:	Use splash proof, chemical safety goggles. Contact lenses should not be worn when working with this product.
Protective Clothing:	Use natural rubber or neoprene gloves. Wear chemical protective suit and boots when handling this product.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage: Store away from ignition sources, combustibles, oxidizing materials and acids. Store in an area equipped with automatic sprinkler system or fire extinguishing system. Ground and bond storage containers and all transfer lines to prevent possible ignition from static sparks.

Special Comments: Wash skin thoroughly with soap and water after handling and before eating, smoking and using toilet facilities. Keep away from food and feed products

SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA

HMIS & NFPA Ratings: Health = 2 Fire = 3 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 found in this product are listed on the EPA's TSCA list.

For EPA CERCLA & SARA TITLE III Information see below.

SARA TITLE III INFORMATION

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	RQ lbs.	RQ gals.*
None				

II. Section 102 (a) CERCLA Hazardous Substance

Component	CAS#	%	RQ lbs.	RQ gals.*
Methanol	67-56-1	17-19	5000	3,785

*Product RQ for Stationary Sources

III. Title Section 311 Hazardous Categorization

Acute	Chronic	Fire	Pressure	Reactivity
X	X	X		

IV. Section 313 Toxic Chemical

Component	CAS#	%
Methanol	67-56-1	17-19
2-Butoxyethanol	111-76-2	79-81

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