



Dear Valued Customer:

Attached, please find the Material Safety Data Sheet (MSDS) for UDF-21™. We have reviewed our products with our suppliers, conducted a hazard determination, and prepared this MSDS in compliance with the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS). This MSDS also provides information on any toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

If this product, or any component of it is considered to be hazardous or carcinogenic under the OSHA Hazard Communication Standard or the WHMIS regulations, information is provided in this MSDS.

If you have any questions, please contact your Sales Representative.

Sincerely yours,

GULF SYNTHETICS, LLC

## MATERIAL SAFETY DATA SHEET

Identity: UDF-21™ Water-based  
Proprietary Wood Coating

Revision Date: March 23, 2009  
Supersedes: February 18, 2009

### Section I - Company Information

Provider's Name: Gulf Synthetics, LLC  
Address: 1340 Oak Industrial Lane, Suite 300  
City, State, Zip: Cumming, Georgia 30041  
Emergency Phone: 877-946-4853

### Section II - Composition/Information on Ingredients

Material Type	Case Number	Other Limits	% Optimal	OSHA PEL
Synthetic Dispersion Trade Secret	N/A	N/A	N/A	Not est.

### Section III - Physical/Chemical Characteristics of Wet Component

Boiling Point: 100°C/212°F  
Vapor Pressure (mm Hg): N/A  
Melting Point: N/A  
Vapor Density: <1  
Solidity in Water: Dilutable  
Specific Gravity: 1.19  
pH: 9.3  
Appearance and Odor: Milky with mild odor  
Evaporation Rate: (Butyl Acetate =1)  
Solids (% by weight): 53.0

### Section IV - Fire and Explosion Hazard Data

Flash Point: None  
Extinguishing Media: Water spray, carbon dioxide, dry chemical or all-purpose type foam.  
Special Fire Fighting Procedures: Breathing apparatus when fighting fires in enclosed area.  
Unusual Fire & Explosion Hazards: Product will not burn in the liquid form but may spatter if the temperature exceeds the boiling point of water. Dried solids of the neat wet component can burn, giving off oxides of carbon and nitrogen. Dried solids of the combined wet and dry components will resist the tendency to burn.

### Section V - Health Hazard Data

**HMIS Rating: Health - 0 Flammability - 0 Reactivity - 0**

Potential Health Effects by Routes of Entry:  
Eye: No irritation hazard in normal industry use  
Skin: No irritation in normal industry use  
Inhalation: Can cause minor respiratory irritation. Avoid breathing vapors or mist

### Section VI - Stability and Reactivity

Stability: Stable under normal conditions.  
Chemical Incompatibility: Not established  
Hazardous Polymerization: Will not occur  
Hazardous decomposition products: Carbon monoxide, carbon dioxide

Ingestion: Ingestion is not an anticipated route of exposure. No hazard in normal industrial use.  
Carcinogenicity: None known.

Signs and symptoms of exposure:  
Inhalation - headaches, nausea, and irritation of the nose, throat and lungs

**(Section VI - Stability and Reactivity, cont'd.)**

Ingestion - Nausea and stomach cramps  
Skin – Irritation and redness  
Eye - Irritation

**Long-Term (Chronic) Health Effects**

Targeted Organ(s): No organs known to be damaged from exposure to this product

Regulated Carcinogen Status:

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

**First Aid Measures**

IF IN EYES: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

IF ON SKIN: Wash with soap and water.

IF VAPORS INHALED: Remove to fresh air. Call a physician if conditions persist.

IF SWALLOWED: DO NOT induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

**Section VII - Control Measures**

Respiratory Protection:  
Dust or mist mask (OSHA Approved)

Eye Protection:  
Splash goggles and available eye bath

Other Protective Clothing/Gear:  
None

Work/Hygiene Practices:  
Wash thoroughly after handling

Ventilation:  
Use only in a well ventilated area according to local and mechanical recommendations

Protective gloves:  
Use gloves impervious to water and soap

**Section VIII - Precautions for Safe Handling**

Steps to be taken in case material is released or spilled

Spills:

Wet component - area will be slippery. Take precautions, collect material with absorbent such as sand or rags and dry for proper disposal.

Dry component - sweep with broom and dispose of in approved container.

Waste Disposal Method:

Incinerate or solidify and bury in a suitable landfill where permitted under Federal, State, Local, or provincial laws.

Precautions to be taken in Handling and Storing:

Avoid breathing vapors. Keep container closed. Use only with adequate ventilation. Do not stack containers more than three high.

Other precautions:

Keep from freezing as material may coagulate, affecting performance.

**Section IX - Disposal Considerations**

To the best of our knowledge, this product does not meet the definitions of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

**Section X - Transportation Information**

Consult Bill of Lading for transportation information

DOT: Not regulated

IATA: Not regulated

**Section XI - Regulatory Information**

Inventory Status

US EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

Canadian CEPA DSL: The components of this product are included on the DSL or are exempt from DSL requirements.

European EINECS: All substances contained in this product meet the requirements of the REACH regulation implemented in the European Union.

Australia AICS: This product is in compliance with the Australian Inventory of Chemical Substances requirements.

Japan ENCS: This product is in compliance with the Japanese Existing and New Chemical Substances requirements.

Korean TCCL: This product is in compliance with the Korean Existing Chemicals List requirements.

Philippines: This product is in compliance with the Philippine Inventory of Chemicals and Chemical Substances requirements.

Federal Reporting

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	Case Number	%
Glycol ethers	9036-19-5	1-5

WHMIS Status: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System

D2B

**Section XI - Additional Information**

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

**Section XII - Regulatory Information (cont'd.)**

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Gulf Synthetics, LLC from its supplier, and because Gulf Synthetics, LLC has no control over the conditions of handling and use, Gulf Synthetics, LLC makes no warranty, express or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Gulf Synthetics, LLC assumes no responsibility for use or reliance thereon. It is the responsibility of the user of Gulf Synthetics, LLC products to comply with all applicable federal, state, local, or provincial laws and regulations.