

MATERIAL SAFETY DATA SHEET

Union Butterfield Drilling & Tapping Fluid

SECTION 1	IDENTIFICATION		
PRODUCT:	Product Name: Union Butterfield Drilling & Tapping Fluid Product Description: Tapping and drilling fluid Intended Use: Tapping and drilling metal		
COMPANY IDENTIFICATION			
Supplier:	Union Butterfield Corporation 301 Industrial Ave Crystal lake, IL 60012		
24 Hour Health Emergency	USA: 800-424-9300 (CHEMTREC)		
Transportation Emergency Phone	USA: 800-424-9300 (CHEMTREC)		
Product Technical Information	832-399-1015		

SECTION 2	HAZARD(S) IDENTIFICATION		
POTENTIAL PHYSICAL / CHEMICAL EFFECTS			
POTENTIAL HEALTH EFFECTS: If swallowed, may be aspirated and cause lung damage. Excessive exposure to fluid or mists may be irritating to the eyes, nose, throat, and lungs, and may aggravate pre-existing skin conditions, emphysema or asthma.			
NFPA Hazard ID:	Health: 1	Flammability: 1	Reactivity: 0
HMIS Hazard ID:	Health: 1	Flammability: 1	Reactivity: 0
CHRONIC HEALTH HAZARDS: none			
Health studies show that chemical exposure may cause potential human health risks which may vary from person to person.			

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS (TRADE SECRET)			
INGREDIENT	CAS#	%	OSHA PEL-TWA	ACGIH TLV -TWA
Chlorinated Paraffin	061788-76-9	<50	5 mg/m3	5 mg/m3
Glycerol esters of fatty acids	Trade secret		NE	NE

SECTION 4	FIRST AID MEASURES
INHALATION: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. If breathing difficulty persists, seek medical attention. SKIN CONTACT: Wash contact areas with soap and water. Remove and replace contaminated clothing. EYE CONTACT: Flush thoroughly with water. If irritation occurs, get medical assistance. INGESTION: Seek immediate medical attention. Do not induce vomiting. NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonia.	

SECTION 5	FIRE-FIGHTING MEASURES
EXTINGUISHING MEDIA: Dry chemical foam, or carbon dioxide (CO2) to extinguish flames Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel. Unusual Fire Hazards: none Hazardous Combustion Products: Smoke, Fume, Incomplete combustion products, Oxides of carbon	
FLAMMABILITY PROPERTIES	
Flash Point [Method]: 415 °F (PMCC)	
Flammable Limits (Approximate volume % in air): LEL: ND UEL: ND	
Auto ignition Temperature: Not determined	

SECTION 6	ACCIDENTAL RELEASE MEASURES
SPILL: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.	

SECTION 7	HANDLING AND STORAGE
NOTE: This material is not to be used for any other purpose than intended use in Section 1.	
Handling: Avoid prolonged or repeated skin contact with concentrate. Do not get in eyes. Use only for intended use according to instructions.	
Storage: Store in cool dry area. Do not use or store near heat, open flame or sources of ignition. Keep out of the reach of children Do not store in open or unlabeled containers. Store away from heat and open flame. Store at temperature > 40°F.	

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
ENGINEERING CONTROLS/VENTILATION: Adequate ventilation required so that exposure limits are not exceeded.	
PERSONAL PROTECTION: Safety glasses with side shields are recommended. Impervious gloves such as neoprene or solvex can be used	
ADDITIONAL MEASURES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping. .	

SECTION 9	PHYSICAL AND CHEMICAL CHARACTERISTICS
Boiling point @ 760 mm Hg	>450°F
Vapor pressure at 20 °C	ND
Vapor density (air = 1)	<1
Solubility in water	NIL
Appearance and odor	Amber fluid wintergreen odor
Specific gravity (H ₂ O =1.0)	1.108
Melting point	ND
Evaporation rate (butyl acetate = 1)	<1

SECTION 10	STABILITY AND REACTIVITY
Material is stable/unstable	Stable
Conditions to avoid	Avoid contact of concentrate with strong acids or bases
Incompatibility (materials to avoid)	Strong acids, Strong alkalis, Oxidizing Agents
Hazardous decomposition or by-products	Thermal decomposition and combustion are not expected to occur except under extreme conditions.
Hazardous polymerization will/will not occur	Will not occur

SECTION 11	TOXICOLOGICAL INFORMATION
Mutagenic (genetic defects)	None
Reproductive	None
Systemic	None
Teratogenic (birth defects)	None
Carcinogen listed in:	
NTP (National Toxicology Program)	NO
IARC Monographs	NO
OSHA	NO

SECTION 12	ECOLOGICAL INFORMATION
ECOTOXICITY: Not Determined	
MOBILITY	Material – Not soluble in water
PERSISTENCE AND DEGRADABILITY: Not Determined	

SECTION 13	DISPOSAL CONSIDERATIONS
RCRA STATUS: Waste likely non-hazardous under RCRA, product should be fully characterized prior to disposal. Dispose in accordance with Federal, State and Local regulation. Product should be fully characterized prior to disposal (40CFR 261).	

SECTION 14	TRANSPORTATION INFORMATION
LAND (DOT) Proper shipping name: Lubricating Oil. Not Regulated for Land Transport	
SEA (IMDG) Proper shipping name: Not regulated	
AIR (IATA) Proper shipping name: Not regulated	

SECTION 15	REGULATORY INFORMATION
OSHA HAZARD COMMUNICATION STANDARD: As supplied, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.	
NATIONAL CHEMICAL INVENTORY LISTING: All materials are listed on TSCA or exempt	
EPCRA: This material contains no extremely hazardous substances.	
CERCLA: This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act.	
SARA (311/312) REPORTABLE HAZARD CATEGORIES: Acute Health Hazard	
SARA (313) Reportable Ingredients: None	

SECTION 16	OTHER INFORMATION
DATE PREPARED): 4/23/13	
The information presented in this MSDS has been compiled from sources deemed reliable. This MSDS is presented in good faith and believed to be accurate as of the effective date shown above. No warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the responsibility of the buyer to insure compliance with federal, state, provincial and local laws and regulations.	
NA – not applicable NR – not reported ND – not determined NE – not established UN – unknown	