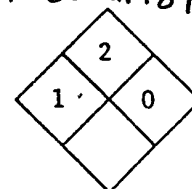




MATERIAL HEALTH AND SAFETY BULLETIN

Union Chemicals Division
Petrochemical Group

EB71000
Butyl Carbitol



UCD No.: 789
Product Code No.: 5705

UN No. -

MANUFACTURER'S NAME Union Chemicals Division, Union Oil Company of California	
STREET ADDRESS 1345 North Meacham Road	
CITY, STATE, AND ZIP CODE Schaumburg, Illinois 60196	Business Phone: (312) 885-5450
EMERGENCY TELEPHONE NO. Transportation Emergencies call CHEMTREC (800) 424-9300 Health Emergencies Call Los Angeles Poison Control Center (24 hours) (213) 664-2121	

PRODUCT: Diethylene Glycol Butyl Ether	WARNING STATEMENT: Can catch fire Induce vomiting if swallowed For industrial use only
COMMON NAME: AMSCO Solv 5705	
GENERIC NAME: Volatile solvent	
CHEMICAL NAME: Diethylene Glycol Butyl Ether	
CHEMICAL FAMILY: Oxygenated hydrocarbon	
DOT PROPER SHIPPING NAME: Not applicable	

Section I - - INGREDIENTS

	TLV*		TLV*
Diethylene Glycol Butyl Ether	NE*		

*Threshold Limit Value

A. OSHA ☐

B. ACGIH ☐

C. See Section III ☐

D. Other ☐

*NE Not Established

Section II - EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY: Have a physician call LOS ANGELES POISON CONTROL CENTER (24 hrs.) 213/664-2121

Eye Contact	If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes. Seek immediate medical attention.
Skin Contact	If this product comes in contact with the skin, wash with large quantities of water.
Inhalation	If breathing difficulties, dizziness, or lightheadedness occur when working in areas with high vapor concentrations, victim should seek air free of vapors. If victim experiences continued breathing difficulties, administer oxygen until medical assistance can be rendered. If breathing stops, begin artificial respiration and seek immediate medical attention.
Ingestion	If this product is swallowed, induce vomiting if the victim is conscious. Seek immediate medical advice and/or attention.

Section III - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

Eye Effects	This product may be an eye irritant.
Skin Effects	This product may cause skin irritation upon prolonged or repeated contact.
Systemic Effects	Various studies have shown a possible association with exposure to this product and the following: Narcosis in high concentration. Nausea and vomiting. Kidney damage in humans.

Section IV - - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify type)	No respiratory protection is expected to be needed in normal use.		
Ventilation	General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.		
Protective Gloves	The use of impermeable gloves is advised to prevent skin irritation in sensitive individuals.	Eye Protection	Safety glasses, chemical goggles and/or face shields are recommended to safeguard against potential eye contact, irritation, or injury.
Other Protective Equipment	Impermeable aprons are advised when working with this product. The availability of eye washes and safety showers in work areas is recommended.		

Section V - - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid:
	Stable	X	
Incompatibility (Materials to Avoid)	None		
Hazardous Decomposition Products	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.		
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

Section VI - - SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 800/424-9300

Precautions In Case of Release or Spill	Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbant.
Reportable Quantity	Notify Coast Guard National Response Center; Phone No. 800-424-8802, if Spill is Greater Than _____ lbs (Kilograms)
Waste Disposal Method	Dispose of _____ product in accordance with applicable local, county, state and federal regulations.

Section VII -- STORAGE AND SPECIAL PRECAUTIONS

Handling and Storing Precautions	Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. (See Section IV.) Keep product containers closed when not in use.
Other Precautions	Personnel should avoid inhalation of vapors. (See sections I, II, III, V, VI) Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected areas with water. (See sections II, IV, VI)

Section VIII -- FIRE AND EXPLOSION HAZARD DATA

DOT Flammability Classification	Not applicable	Flash Point Range: ☐ Below 20° F, ☐ 20° F - 100° F ☐ 100° F - 200° F ☒ Over 200° F ☐ None to boiling
Extinguishing Media	Use foam, CO ₂ or dry chemical fire fighting apparatus.	
Unusual Fire and Explosion Hazards	None	
Fire Fighting Procedures	The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.	

Section IX -- PHYSICAL DATA

Approximate Boiling Range, ° F	447° F	Vapor Density: ☒ Heavier Than Air ☐ Lighter
Evaporation Rate: ☐ Faster Than Ether ☒ Slower	Percent Volatile: 100%	Solubility in Water: 100%
Specific Gravity: ☒ Lighter Than Water ☐ Heavier	Weight per Gallon: 7.94	
Appearance and Odor:	This product is clear, has little if any color and has a characteristic odor.	

Section X -- DOCUMENTARY INFORMATION

Product Code No. 5705	Issue Date 10/27/80	Prepared By Paul Pfeifer
Replaces: UCD No.	Product Code No.	Issued
Reviewed By: <i>A. J. Latta</i>	Manager, Loss Prevention	
Reviewed By: <i>Rainey, Beck</i>	Director of Occupational Health & Toxicology	
Reviewed By: <i>Therley, King</i>	Science and Technology Division	

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume the risk of his use thereof.