

MATERIAL SAFETY DATA SHEET OSHA Hazard Communication Standard 29 CFR 1910.1200				
Section I				
Product Name: Twin Job		Distributed By: AMERICAN CONTINENTAL TECH Address: 1625 ROBERT C JACKSON ST, MARYVILLE, TN 37001 Phone: (865) 984-8701		
Product Code: LP-2202				
Chemical Family: Fabric Stain Remover				
Chemical Formula: Mixture				
MSDS Revision Date: 04/28/99				
Department of Transportation Federal Motor Carrier Hazardous Material Shipping Regulations				
Proper Shipping Name: Not regulated		Hazard Classification: Not regulated		
Identification Number: Not regulated		For Transportation Emergencies, Call: Chemtrec 1-800-424-9300		
Section II - Hazardous Ingredients/Identity Information				
HAZARDOUS COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	COMMENTS
2-Butoxyethanol Non-ionic surfactants Coupling Agents Sequestrants	111-76-2 N/A N/A N/A	25 ppm N.E. N.E. N.E.	25 ppm N.E. N.E. N.E.	SARA Title III Section 313 Eye irritation hazard Eye irritation hazard Eye irritation hazard
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals appearing in 40 CFR 372 (Section 313). Section 313 information must be included in all MSDS's that are copied and distributed to end-users. For help and additional information concerning Title III call the EPA Hotline at 1-800-535-0202.				
Section 313 Component	Percent Range	Section 313 Component		Percent Range
2-Butoxyethanol	2.0 - 4.0 %			
Section III - Physical/Chemical Characteristics				
Boiling Point: 212 degrees F	Vapor Pressure (mm Hg): N/A		SUMMARY OF HAZARD RATING (HMIS)	
Freezing Point: N/A	Vapor Density: N/A		Hazard	Rating
pH (1%): 9.00	Evaporation Rate: N/A		Health: Fire and explosion: Reactivity:	2 0 0
Solubility in Water: Excellent	Specific Gravity: 1.07			
Appearance and Odor: Clear, colorless liquid with a deodorizer type odor.				
Section IV - Fire and Explosion Data				
Flash Point (method): Not combustible		Flammable Limits in Air, % by Vol.		LEL N/A UEL N/A
Extinguishing Media: Use appropriate media for surrounding structures and containers.				
Special Fire Fighting Procedures: As with all chemical fires, wear self-contained breathing apparatus in confined areas or where smoke or fumes can drift or accumulate.				
Unusual Fire and Explosion Hazard: N/A				
Section V - Reactivity Data				
Stability (unstable/stable): Stable		Hazardous Polymerization: Will not occur		
Stability conditions to avoid: High temperatures				
Incompatibility (Materials to Avoid): N/A				
Hazardous Decomposition or By-products: Carbon monoxide and/or carbon dioxide may be evolved under extreme conditions.				

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Section VI - Health Hazard Data			
Threshold Limit Value: Not established			
Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards-Acute: Eyes-Cause moderate irritation. Skin-Cause irritation or dermatitis caused by defatting of skin. Prolonged exposures may allow 2-Butoxyethanol to be absorbed resulting in possible hemoglobinuria. Ingestion-may cause irritation, nausea, diarrhea, vomiting. Inhalation-may irritate nose, throat, mucous membranes. Prolonged inhalation, ingestion or severe exposures can cause hemolysis (destruction of red blood cells), kidney damage, or liver damage.			
Health Hazards-Chronic: N/A			
Carcinogenicity: Not carcinogenic	OSHA Regulated? Not carcinogenic	NTP? Not carcinogenic	
Effects of Overexposure: Causes irritation to skin, eyes, mucous membranes, digestive system, and respiratory system. Skin absorption of 2-Butoxyethanol is possible in severe or prolonged exposures. Toxic by ingestion.			
Emergency and First Aid Procedures:			
Ingestion(allowing): DO NOT INDUCE VOMITING! Drink 1 to 2 glasses of water or milk to dilute. Seek immediate medical attention. If vomiting does occur, keep victim's head below his/her hips to prevent breathing of liquid into lungs (aspiration hazard).			
Skin Contact: Flush area thoroughly with large amounts of running water. Seek medical attention if irritation develops.			
Eye Contact: Flush eyes thoroughly with running water for at least 15 minutes. Seek medical attention immediately.			
Section VII - Spill or Leak Procedures			
Steps to be Taken in Case Material is Released or Spilled: Obtain and wear protective equipment. Small spills may be flushed into a sewer connected to a private or municipal treatment facility, if approved by the local, state, and federal regulations. Follow with sufficient water to flush system. For large spills, dike the area with sand or adsorbent material. Pump over into a DOT-approved salvage drum. Place contaminated absorbent in a suitable container for disposal.			
Waste Disposal Method: This product contains material listed in EPA SARA Title III regulations. Contact Federal, state, and local authorities for current disposal and reporting requirements.			
Section VIII - Special Protection Information			
Respiratory Protection(specify type): Maintain adequate ventilation to prevent concentrations of vapors and mist above the TLV. If vapors or mists cannot be controlled, wear an approved respirator with an organic cartridge. Use caution when using materials on hot surfaces as this increases the evaporation rate producing additional quantities of vapors.			
Ventilation: Provide sufficient ventilation to prevent accumulations of vapors and mists.			
Local Exhaust: Provide local exhaust if general ventilation is insufficient to control vapors.			
Mechanical(general): Maintain adequate ventilation to prevent accumulations of vapors and mist.			
Protective gloves: Wear rubber gloves to prevent skin contact irritation and skin absorption.			
Eye Protection: Wear safety glasses or goggles to prevent eye contact.			
Other Protective Equipment: An eye wash and safety shower should be provided near the point of use.			
Section IX - Special Precautions			
Precautions to be Taken in Handling and Storage: Do not freeze. Wear suitable protective equipment and clothing. Wash contaminated clothing thoroughly before reuse. Wash hands thoroughly after handling.			
Other precautions: Keep out of reach of children.			
Section X - User Responsibility			
The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.			