





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not controlled under WHMIS (Canada).	Not controlled under the HCS (United States).
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

Product Name/ Trade name	<b>LV Sealer</b>	Code	545
Synonym	Floor Finish	CAS #	Mixture.
Chemical Family	Not available.	Validation Date	3/15/2005
Chemical Formula	Not applicable.	Print Date	3/15/2005
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (800) 666-2156	In Case of Emergency	CHEMTREC (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS		
<b>Protective Clothing</b> 			

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Diethylene Glycol Ethyl Ether	111-90-0	2 - 7	TWA: 25 ppm CEIL: 25 ppm	ORAL (LD50): Acute: 5540 mg/kg [Rat].
Tributoxyethyl Phosphate	78-51-3	1 - 5	Not available.	Not available.
Glycol Ether	112-34-5	1 - 5	Not available.	Not available.

## Section 3. Hazards Identification

Potential Acute Health Effects	Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation. Non-corrosive for skin.
Potential Chronic Health Effects	Repeated or prolonged exposure is not known to aggravate medical condition.
Carcinogenic Effects	Not available.

## Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
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### Section 5. Fire Fighting Measures

<b>Products of Combustion</b>	Not available.
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<b>Fire Fighting Media and Instructions</b>	Not applicable.
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<b>Special Remarks on Fire Hazards</b>	Not available.
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<b>Special Remarks on Explosion Hazards</b>	Not available.
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### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
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<b>Large Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
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<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
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### Section 7. Handling and Storage

<b>Precautions</b>	After handling, always wash hands thoroughly with soap and water.
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<b>Incompatibility</b>	Not available.
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<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
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### Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels.
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#### Personal Protection

<i>Eyes</i>	Safety glasses.
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<i>Body</i>	Lab coat.
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<i>Respiratory</i>	Not applicable.
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<i>Hands</i>	Not applicable. Gloves.
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#### Protective Clothing (Pictograms)



<b>Exposure Limits</b>	Not available.
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### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Characteristic.
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<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
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<b>pH</b>	7 to 8.5 [Basic.]	<b>Color</b>	White.
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<b>Boiling/Condensation Point</b>	101.11°C (214°F)
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<b>Melting/Freezing Point</b>	May start to solidify at 0°C (32°F) based on data for: Water.
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<b>Critical Temperature</b>	Not available.
<b>Instability Temperature</b>	Not available.
<b>Specific Gravity</b>	1.03 (Water = 1)
<b>Vapor Pressure</b>	Not available.
<b>Vapor Density</b>	>1 (Air = 1)
<b>Volatility</b>	Not available.
<b>VOC</b>	76.689 (g/l).
<b>Evaporation Rate</b>	<1 compared to Butyl acetate.
<b>Dispersion Properties</b>	See solubility in water, methanol, acetone.
<b>Solubility</b>	Very slightly soluble in cold water, hot water.
<b>The Product is:</b>	Non-flammable.
<b>Auto-ignition Temperature</b>	Not applicable.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.
<b>Explosion Hazards in Presence of Various Substances</b>	Not available.

### **Section 10. Stability and Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	Not available.
<b>Hazardous Decomposition Products</b>	Not available.

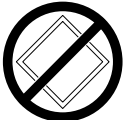

### **Section 11. Toxicological Information**


<b>Routes of Entry</b>	Not available.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 5540 mg/kg [Rat]. (Diethylene Glycol Ethyl Ether).
<b>Acute Effects on Humans</b>	
	<i>Eyes</i> Not available.
	<i>Skin</i> Irritation of the product in case of skin contact: Not available. Sensitization of the product: Not available.
	<i>Inhalation</i> Not available.
	<i>Ingestion</i> Not available.
<b>Chronic Effects on Humans</b>	Repeated or prolonged exposure is not known to aggravate medical condition.

Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

<b>Section 12. Ecological Information</b>	
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

<b>Section 13. Disposal Considerations</b>	
Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

<b>Section 14. Transport Information</b>	
DOT (U.S.A) (Pictograms)	
TDG Classification	- Not a TDG controlled material. 
PIN UN, Proper Shipping Name, PG	Not applicable.
Maritime Transportation	Not available.
Special Provisions for Transport	Not available.

<b>Section 15. Other Regulatory Information and Pictograms</b>	
WHMIS (Classification)	Not controlled under WHMIS (Canada). 
Regulatory Lists	No products were found.
Other Regulations	Not available. or of its ingredients
Other Classifications	HCS (U.S.A.) Not controlled under the HCS (United States).

**USA Regulatory Lists**

**WARNING:** This product contains chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Formaldehyde  
**WARNING:** This product contains chemical(s) known to the state of California to cause cancer.: Formaldehyde  
Massachusetts RTK: Formaldehyde  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Diethylene Glycol Ethyl Ether: Fire hazard; Glycol Ether

**DSD (EEC)**

This product is not classified according to the EU regulations.

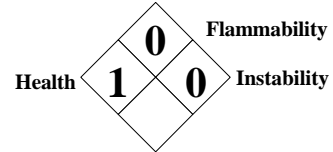
**International Regulations Lists**

No products were found.

**Hazardous Material Information System (U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire Protection Association (U.S.A.)**



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Specific Hazard

**Section 16. Other Information**

Validated by CRushton on 3/15/2005.

Verified by CRushton.

Printed 3/15/2005.

**Information Contact** Betco Corporation  
1001 Brown Avenue  
Toledo, Ohio 43607

Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 3/15/2005.

**LV Sealer**

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