



Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	WHMIS CLASS D-2: Material causing other toxic effects.	HCS Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Betco Best	Code	640
Synonym	High Performance Floor Finish	CAS #	Mixture.
Chemical Family	N/A	Validation Date	8/27/2004
Chemical Formula	NA	Print Date	8/27/2004
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	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		
		Protective Clothing 	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Polymer Emulsion	N/A	0 - 5	Not available.	Not available.
Polyethylene Wax Emulsion	N/A	0 - 5	Not available.	Not available.
Diethylene Glycol Ethyl Ether	111-90-0	0 - 5	TWA: 25 ppm CEIL: 25 ppm	ORAL (LD50): Acute: 5540 mg/kg [Rat].
Tributoxyethyl Phosphate	78-51-3	0 - 5	Not available.	Not available.
Dipropylene Glycol Methyl Ether	34590-94-8	0 - 5	Not available.	Not available.
Dispersion of Fluorochemicals in Water	N/A	0 - 5	Not available.	Not available.
Tripropylene Glycol Methyl Ether	25498-49-1	0 - 5	Not available.	ORAL (LD50): Acute: 3200 mg/kg [Rat]. DERMAL (LD50): Acute: 20 mg/kg [Rabbit].
Ammonium Hydroxide	1336-21-6	0.5 - 1.5	TWA: 50 ppm OSHA (United States). TWA: 50 ppm STEL: 35 ppm	Not available.
zinc oxide	1314-13-2	<1	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Harmful if swallowed. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum. Mildly irritating to the eyes.
Potential Chronic Health Effects	Over-exposure by inhalation may cause respiratory irritation.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water.
Skin Contact	After contact with skin, wash immediately with plenty of water.
Inhalation	No specific data.
Ingestion	Call a poison control center immediately for treatment advice.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Non-flammable substance.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Personal Protection in Case of a Large Spill	Gloves (impervious). Lab coat. Safety glasses.

Section 7. Handling and Storage

Precautions	Keep out of reach of children. For Institutional and Commercial Use
Incompatibility	No incompatible product according to our data base.
Storage	Keep out of the reach of children. Not for use or storage in or around the home.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

Personal Protection

Eyes Safety glasses.

Body Work uniform or laboratory coat.

Respiratory Not applicable.

Hands Gloves (impervious).

Protective Clothing (Pictograms)



Exposure Limits Not available.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH	8.5 to 9.0	Color	White.
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.03 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	>40% (w/w).		
VOC	5- 7%		
Evaporation Rate	<1 compared to Water		
Dispersion Properties	Partially dispersed in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.		
Solubility	Soluble		
The Product is:	Non-flammable.		
Auto-ignition Temperature	Not applicable.		
Flash Points	CLOSED CUP: >98.889°C (210°F).		
Flammable Limits	Not applicable.		
Fire Hazards in Presence of Various Substances	Non-flammable.		
Explosion Hazards in Presence of Various Substances	Not applicable		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	No incompatible product according to our data base.
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry Absorbed through skin. Eye contact.

Toxicity to Animals LD50: Not available.
LC50: Not available.

Acute Effects on Humans

Eyes Irritant. Inflammation of the eye is characterized by redness, watering, and itching.

Skin May cause skin irritation.

Inhalation According to our data base, the product will not easily enter the human body.

Ingestion May cause nausea, vomiting and diarrhea.

Chronic Effects on Humans Over-exposure by inhalation may cause respiratory irritation.

Special Remarks on Toxicity to Animals Very low toxicity for humans or animals.

Special Remarks on Chronic Effects on Humans No additional remark.

Section 12. Ecological Information

Ecotoxicity Not Available

BOD5 and COD Not available.

Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation as toxic as the original product.

Special Remarks on the Products of Biodegradation No additional remark.

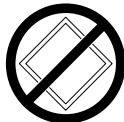
Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

Section 14. Transport Information

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 applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS CLASS D-2: Material causing other toxic effects.



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications

HCS (U.S.A.) HCS Class: Irritating substance.

USA Regulatory Lists
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Formaldehyde <0.1%
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Formaldehyde <0.1%

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Diethylene Glycol Ethyl Ether: fire
SARA 313 toxic chemical notification and release reporting: Diethylene Glycol Ethyl Ether

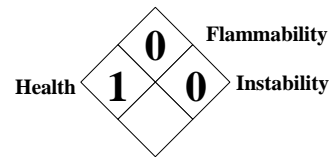
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No products were found.

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

Health	*	2
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 DThomas on 8/27/2004.

Verified by DThomas.

Printed 8/27/2004.

Information Contact Betco Corporation
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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.

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