





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 One Step	Code	618
Synonym	Maximum High Speed Floor Restorer	Version Number	3
Chemical Family	Not available.	Validation Date	11/3/2011
Chemical Formula	Mixture.	Print Date	11/3/2011
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
Ethylene Glycol	107-21-1	5 - 10	ACGIH TLV (United States). : 100 mg/m ³ OSHA PEL (United States). CEIL: 50 ppm	ORAL (LD50): Acute: 4700 mg/kg [Rat].
Propylene Glycol	57-55-6	1 - 5	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat].
Alcohol Alkoxyate	68439-46-3	1 - 5	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Harmful if swallowed. Harmful if absorbed through the skin.
Potential Chronic Health Effects	Severe over exposure may cause nervous system damage and kidney damage.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

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. Get medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion	NEVER give an unconscious person anything to ingest. Seek immediate medical attention. Contact a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person.
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Section 5. Fire Fighting Measures

Products of Combustion	Not determined.
Fire Fighting Media and Instructions	Use dry chemical or CO ₂ .
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	Heated Containers may burst.

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	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions	Avoid contact with eyes.
Incompatibility	None known.
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.
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Personal Protection

Eyes Safety glasses.

Body No special protective clothing is required.

Respiratory Not applicable.

Hands Gloves.

Protective Clothing (Pictograms)



Exposure Limits	See Section 2 For Applicable Exposure Limits
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Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Pleasant.
Molecular Weight	Not applicable.	Taste	Not available.
pH	7 to 8 [Basic.]	Color	White.
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		

Instability Temperature	Not available.
Specific Gravity	1.013 (Water = 1)
Vapor Pressure	Not available.
Vapor Density	>1 (Air = 1)
Volatility	> 80%
VOC	0 % (CARB)
Evaporation Rate	<1
Dispersion Properties	See solubility in water.
Solubility	Easily soluble in cold water.
The Product is:	Non-flammable.
Auto-ignition Temperature	Not available.
Flash Points	None to boiling (TCC)
Flammable Limits	Not available.
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.
Explosion Hazards in Presence of Various Substances	Containers may explode when heated

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	None known.
Hazardous Decomposition Products	Not determined.

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 4700 mg/kg [Rat]. (Ethylene Glycol).
Acute Effects on Humans	
	<i>Eyes</i> Hazardous in case of eye contact (irritant).
	<i>Skin</i> Slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
	<i>Inhalation</i> May cause irritation of respiratory tract, coughing, shortness of breath.
	<i>Ingestion</i> Harmful if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.
Chronic Effects on Humans	Severe over exposure may cause nervous system damage and kidney damage.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecological Information

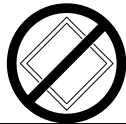
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	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 controlled under TDG (Canada).



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

Other Classifications

HCS (U.S.A.)

HCS Class: Irritating substance.

USA Regulatory Lists

Pennsylvania RTK: Ethylene Glycol: (environmental hazard); Propylene Glycol
New Jersey: Ethylene Glycol
New Jersey spill list: Ethylene Glycol
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ethylene Glycol
SARA 313 toxic chemical notification and release reporting: Ethylene Glycol

DSD (EEC)

This product is not classified according to the EU regulations.

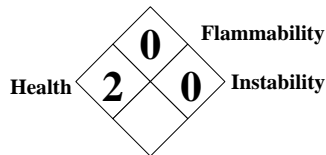
International Regulations Lists

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.

Section 16. Other Information

Validated by LMorsch on 11/3/2011.

Verified by LMorsch.

Printed 11/3/2011.

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 11/3/2011.

Betco One Step

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