



Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200



WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). WHMIS CLASS D-2: Material causing other toxic effects.

Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).

WHMIS (Pictograms)

WHMIS (Classification)

HCS

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Marathane 35	Code	620
Synonym	Urethane Finish For Wood Gym Floors	CAS #	Mixture.
Chemical Family	N/A	Validation Date	10/11/2005
Chemical Formula	Not applicable.	Print Date	10/11/2005
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
Aliphatic Hydrocarbons	8052-41-3	50 - 100	ACGIH TLV (United States). TWA: 100 ppm 8 hour(s). OSHA PEL (United States). TWA: 100 ppm 8 hour(s).	Not available.
Polyurethane Resin	N/A	1 - 5	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	This product is an eye irritant. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. May cause dizziness, nausea.
Potential Chronic Health Effects	Repeated or prolonged exposure to the substance can produce nervous system damage.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Flush eyes with large quantities of water, holding eyelids open. Seek medical attention.
Skin Contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists.
Inhalation	Get to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Ingestion	DO NOT induce vomiting. Seek immediate medical attention.

Section 5. Fire Fighting Measures

Products of Combustion	Not Available
Fire Fighting Media and Instructions	Foam, CO2, or dry chemical.
Special Remarks on Fire Hazards	Do not use water.
Special Remarks on Explosion Hazards	Drums heated by a fire can explode.

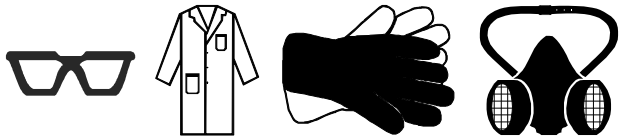
Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material.
Large Spill and Leak	Avoid to runoff to sewers and waterways. Wear Protective Clothing. Absorb with inert Material. Contact you local Emergency planning commission for further instructions.
Personal Protection in Case of a Large Spill	Full suit. Gloves (impervious). Boots. Wear appropriate respirator when ventilation is inadequate. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Section 7. Handling and Storage

Precautions	Avoid contact with skin and eyes. DO NOT ingest. Keep away from sources of ignition. Keep away from heat. Avoid breathing vapors or spray mists. Avoid contact - obtain special instructions before use.
Incompatibility	Strong oxidizers. acids alkalis
Storage	Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. Keep out of reach of children. For Institutional and Commercial Use

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use only in well-ventilated areas Local exhaust ventilation should be provided.
Personal Protection	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	Work uniform or laboratory coat.
<i>Respiratory</i>	Vapor respirator. Approved/certified respirator with organic vapor cartridges.
<i>Hands</i>	Gloves.
Protective Clothing (Pictograms)	
Exposure Limits	See Section 2 For Applicable Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid	Odor	Pleasant.
Molecular Weight	Not applicable.	Taste	Not available.
pH	N/A	Color	White.
Boiling/Condensation Point	Not available.		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.8612 (Water = 1)		
Vapor Pressure	<10mm Hg @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	Not available.		
VOC	550 (g/l).		
Evaporation Rate	<1		
Dispersion Properties	not available		
Solubility	Soluble		
The Product is:	COMBUSTIBLE.		
Auto-ignition Temperature	Not Available		
Flash Points	Closed cup: 41.667°C (107°F).		
Flammable Limits	LOWER: 1% UPPER: 6%		
Fire Hazards in Presence of Various Substances	COMBUSTIBLE.		
Explosion Hazards in Presence of Various Substances	Drums Heated By Fire Can explode		

Section 10. Stability and Reactivity Data

Stability	
Incompatibility with Various Substances	Strong oxidizers. acids alkalis
Hazardous Decomposition Products	None Known

Section 11. Toxicological Information

Routes of Entry Skin contact. Ingestion. Eye Contact

Toxicity to Animals not available

Acute Effects on Humans

Eyes Eye irritant. Can cause redness, tearing, and blurred vision.

Skin Prolonged or repeated contact can cause irritation, defatting, or dermatitis.

Inhalation May be irritating to the nose, throat, and lungs. Large amounts can cause headache, nausea, dizziness, weakness, and fatigue.

Ingestion Can cause irritation of the gastrointestinal tract, nausea, vomiting, and diarrhea. Aspiration of the material into the lungs can cause chemical pneumonitis.

Chronic Effects on Humans Repeated or prolonged exposure to the substance can produce nervous system 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 Not available.

Toxicity of the Products of Biodegradation Not Applicable

Special Remarks on the Products of Biodegradation No additional remark.

Section 13. Disposal Considerations

Waste Information Any method in accordance with applicable laws.

Waste Stream Hazardous

Section 14. Transport Information

DOT (U.S.A)
(Pictograms)



TDG Classification 3



PIN UN, Proper Shipping Name, PG Shipping name: Combustible Liquid NOS UNNA: 1993 PG: III

Maritime Transportation Not available.

Special Provisions for Transport Not available.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). WHMIS CLASS D-2: Material causing other toxic effects.



Regulatory Lists No products were found.

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications **HCS (U.S.A.)** Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).

USA Regulatory Lists

SARA 302/304/311/312 hazardous chemicals: Aliphatic Hydrocarbons
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Aliphatic Hydrocarbons: Fire hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard

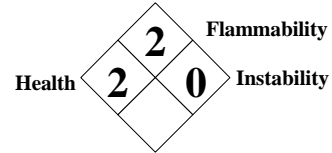
DSD (EEC)

International Regulations Lists No products were found.

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

Health	*	2
Flammability		2
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 10/11/2005.

Verified by CRushton.
Printed 10/11/2005.

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.

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