



Material Safety Data Sheet

WHMIS (Pictograms)

WHMIS (Classification)

HCS

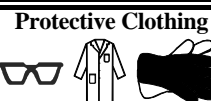


WHMIS Class D-1B: Material causing immediate and serious toxic effects (TOXIC). WHMIS Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

HCS CLASS: Combustible liquid IIIB having a flash point higher than 93.3°C (200°F).
HCS Class: Irritating substance.

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	DM120	Code	120
Synonym	Dust Mop Treatment	CAS #	Not applicable.
Chemical Family	Not available.	Validation Date	2/8/2001
Chemical Formula	Not applicable.	Print Date	2/12/2001
Manufacturer	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	DSL : All components listed unless noted elsewhere on this MSDS		



Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
1) Petroleum Distillates	64742-80-9	>96	Not available.	Not available.
2) n-Amyl Acetate	628-63-7	<1	TWA: 100 (ppm) TWA: 100 (ppm) from OSHA (PEL) [United States]	Not available.
3) Propylene Glycol	57-55-6	<1	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat].
4) Nonionic Surfactant	9016-45-9	<1	Not available.	Not available.
5) Nonionic Surfactant	66455-15-0	<1	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects Irritant. May be fatal if swallowed.

Potential Chronic Health Effects Repeated skin exposure can produce local skin destruction, or dermatitis. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

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 immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
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Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	In case of fire, use water spray (fog), foam or dry chemicals.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	Safety glasses recommended.
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	DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Wear suitable protective clothing and gloves. Store and use away from heat, sparks, open flame, or any other ignition source.
Incompatibility	Not available.
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

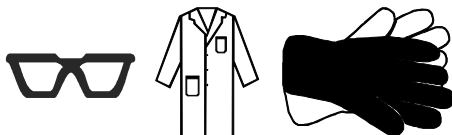
Eyes Splash goggles.

Body No special protective clothing is required.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Protective Clothing (Pictograms)



Exposure Limits	n-Amyl Acetate TWA: 100 (ppm) TWA: 100 (ppm) from OSHA (PEL)
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Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Banana-like.
Molecular Weight	Not applicable.	Taste	Not available.
pH	Not available.	Color	Clear
Boiling/Condensation Point	240.222 (464.4°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.85 (Water = 1)		
Vapor Pressure	<0.1 kPa (@ 20°C)		
Vapor Density	>1 (Air = 1)		
Volatility	Not available.		
VOC	Not available.		
Evaporation Rate	<1		
Odor Threshold	Not available.		
LogK_{ow}	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Not available.		
The Product is:	May be combustible at high temperature.		
Auto-ignition Temperature	Not available.		
Flash Points	CLOSED CUP: 129.44°C (265°F).		
Flammable Limits	LOWER: 0.7% UPPER: 5%		
Fire Hazards in Presence of Various Substances	COMBUSTIBLE.		
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	Not available.
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Ingestion. Skin contact. Eye Contact
Toxicity to Animals	Acute oral toxicity (LD50): 5000 mg/kg [Rat]. (Propylene Glycol).
Acute Effects on Humans	<p><i>Eyes</i> Very hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.</p> <p><i>Skin</i> Prolonged or repeated contact may cause dermatitis.</p> <p><i>Inhalation</i> Vapors may cause dizziness or drowsiness.</p> <p><i>Ingestion</i> May cause dizziness, drowsiness, or narcosis. May be fatal if swallowed.</p>
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
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	3	
PIN UN, Proper Shipping Name, PG	Shipping name: Combustible Liquid NOS UNNA: 1993 PG: II	
Maritime Transportation	Not available.	

Special Provisions for Transport

Not available.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification)

WHMIS Class D-1B: Material causing immediate and serious toxic effects (TOXIC). WHMIS Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).



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.) HCS CLASS: Combustible liquid III B having a flash point higher than 93.3°C (200°F). HCS Class: Irritating substance.

USA Regulatory Lists

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Petroleum Distillates: fire, immediate health hazard

DSD (EEC)

This product is not classified according to the EU regulations.

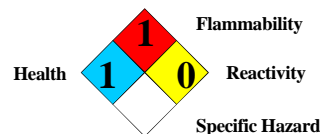
International Regulations Lists

No products were found.

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

Health	2
Flammability	1
Reactivity	0
Personal Protection	A

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



Section 16. Other Information

Validated by CRushton on 2/8/2001.

Verified by CRushton.

Printed 2/12/2001.

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 2/8/2001.

DM120

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