





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

 <b>WHMIS (Pictograms)</b>	<b>WHMIS CLASS D-2:</b> Material causing other toxic effects. <b>WHMIS CLASS B-3:</b> Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). <b>WHMIS (Classification)</b>	<b>HCS CLASS:</b> Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F). <b>HCS</b>
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## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Fiber Pro POG</b>	<b>Code</b>	417
<b>Synonym</b>	Paint, Oil, and Grease Remover	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	N/A	<b>Validation Date</b>	3/2/2007
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	3/23/2007
<b>Manufacturer/ Supplier</b>	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	<b>In Case of Emergency</b>	Chemtrec (800) 424-9300
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL/ NDSL</b>	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>
Low Odor Base Solvent	64742-47-8	85-95	TWA: 100 (ppm) TWA: 100 (ppm) from OSHA (PEL) [United States]	Not available.
Citrus Terpenes	5989-27-5	5-10	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].
Nonionic Surfactant	9016-45-9	1-5	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Skin and eye irritant. Irritating to the mucous membranes of the nose, throat and lungs. Harmful if swallowed.
<b>Potential Chronic Health Effects</b>	Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

<b>Eye Contact</b>	Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water. Seek IMMEDIATE medical attention.
<b>Skin Contact</b>	Wash contaminated skin with soap and water. Seek medical attention.
<b>Inhalation</b>	Evacuate the victim to a safe area as soon as possible. If the victim is not breathing, perform mouth-to-mouth resuscitation.
<b>Ingestion</b>	Do not induce vomiting. Call a poison control center immediately for treatment advice.

### Section 5. Fire Fighting Measures

Products of Combustion	carbon oxides (CO, CO2)
Fire Fighting Media and Instructions	Use dry chemical , CO2 or Foam. DO NOT use water.
Special Remarks on Fire Hazards	COMBUSTIBLE.
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	Full suit. Face shield. Gloves.

### Section 7. Handling and Storage

Precautions	After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes.
Incompatibility	oxidizing agents
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** Good general ventilation should be sufficient to control airborne levels.

**Personal Protection**

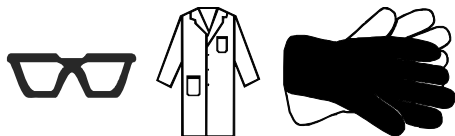
*Eyes* Splash goggles.

*Body* No special protective clothing is required.

*Respiratory* Wear appropriate respirator when ventilation is inadequate.

*Hands* Gloves.

**Protective Clothing (Pictograms)**



**Exposure Limits**

**Petroleum Distillates**

TWA: 100 (ppm)  
TWA: 100 (ppm) from OSHA (PEL)

**Low Odor Base Solvent**

TWA: 100 (ppm)  
TWA: 100 (ppm) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid	<b>Odor</b>	Citrus
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH</b>	N/A	<b>Color</b>	Colorless.
<b>Boiling/Condensation Point</b>	176.67°C (350°F)		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	0.805 (Water = 1)		
<b>Vapor Pressure</b>	<20 mm of Hg (@ 20°C)		
<b>Vapor Density</b>	Not available.		
<b>Volatility</b>	90% (v/v).		
<b>VOC</b>	>50%		
<b>Evaporation Rate</b>	<1		
<b>Dispersion Properties</b>	not available		
<b>Solubility</b>	Miscible in water.		
<b>The Product is:</b>	COMBUSTIBLE.		
<b>Auto-ignition Temperature</b>	Not Available		
<b>Flash Points</b>	CLOSED CUP: 62.778°C (145°F).		
<b>Flammable Limits</b>	LOWER: 1% UPPER: 6%		
<b>Fire Hazards in Presence of Various Substances</b>	COMBUSTIBLE.		
<b>Explosion Hazards in Presence of Various Substances</b>	Drums Heated By Fire Can explode		

### Section 10. Stability and Reactivity Data

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

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Eye Contact Ingestion. INHALATION Skin contact.
<b>Toxicity to Animals</b>	LD50: Not available. LC50: Not available.
<b>Acute Effects on Humans</b>	<i>Eyes</i> This product is an eye irritant. <i>Skin</i> Moderately irritating <i>Inhalation</i> Not available. <i>Ingestion</i> Irritating to mouth, throat and stomach. Aspiration into the lungs may result in Chemical pneumonitis.
<b>Chronic Effects on Humans</b>	Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.

### Section 12. Ecological Information

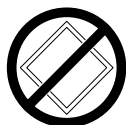
<b>Ecotoxicity</b>	Not Available
<b>BOD5 and COD</b>	Not Available
<b>Products of Biodegradation</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation</b>	Not Applicable
<b>Special Remarks on the Products of Biodegradation</b>	No additional remark.

### Section 13. Disposal Considerations

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste Stream</b>	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: III

**Maritime Transportation** Not available.

Special Provisions for Transport Not available.

### Section 15. Other Regulatory Information and Pictograms

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



**Regulatory Lists** CEPA DSL: 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 having a flash point between 37.8°C (100°F) and 93.3°C (200°F).

**USA Regulatory Lists**

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

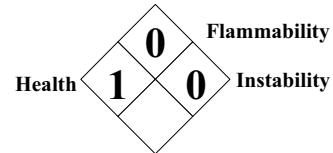
**DSD (EEC)** This product is not classified according to the EU regulations.

**International Regulations Lists** No products were found.

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

Health	2
Flammability	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.

### Section 16. Other Information

Validated by CRushton on 3/2/2007.

Verified by CRushton.

Printed 3/23/2007.

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

Notice to Read:

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 3/2/2007.

**Fiber Pro POG**

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