





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

  <b>WHMIS (Pictograms)</b>	<b>WHMIS CLASS B-5: Flammable aerosol. WHMIS CLASS D-1E: Material causing immediate and serious toxic effects (TOXIC)</b> <b>WHMIS (Classification)</b>	<b>HCS CLASS: Flammable aerosol. HCS CLASS: Toxic.</b> <b>HCS</b>
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## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Graffiti Remover</b>	<b>Code</b> 015
<b>Synonym</b>	Graffiti Remover	<b>Version Number</b>
<b>Chemical Family</b>	N/A	<b>Validation Date</b> 3/2/2010
<b>Chemical Formula</b>	N/A	<b>Print Date</b> 3/2/2010
<b>Manufacturer/ Supplier</b>	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	<b>In Case of Emergency</b> Chemtrec (800) 424-9300
<b>TSCA</b>	<b>TSCA Inventory: All components listed or are exempt from listing.</b>	
<b>DSL/ NDSL</b>	<b>All components listed unless noted elsewhere on this MSDS</b>	

### Protective Clothing



## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Xylene	1330-20-7	50-60	TWA: 100 (ppm) TWA: 100 (ppm) from OSHA (PEL) [United States]	Not available.
Liquified Petroleum Gas	68476-85-7	10-20	STEL: 150 (ppm) TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.
Isopropyl Alcohol	67-63-0	5-10	TWA: 400 (ppm) TWA: 400 (ppm) from OSHA (PEL) [United States]	ORAL (LD50): Acute: 16971 mg/kg [Rat].
Acetone	67-64-1	5-10	STEL: 500 (ppm) TWA: 750 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.
Diacetone Alcohol	123-42-2	0.1-5	STEL: 1000 (ppm) TWA: 50 (ppm) TWA: 50 (ppm) from OSHA (PEL) [United States]	Not available.

### Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.
<b>Potential Chronic Health Effects</b>	Severe over-exposure can produce lung damage, choking, unconsciousness or death. Repeated skin exposure can produce local skin destruction, or dermatitis.
<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. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.
<b>Skin Contact</b>	After contact with skin, wash immediately with plenty of water. Seek medical attention.
<b>Inhalation</b>	Remove to fresh air. Oxygen may be administered if breathing is difficult. Seek medical attention.
<b>Ingestion</b>	Can be fatal if inhaled or ingested. DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek IMMEDIATE medical attention.

### Section 5. Fire Fighting Measures

<b>Products of Combustion</b>	carbon oxides (CO, CO2)
<b>Fire Fighting Media and Instructions</b>	Use DRY chemicals, CO2, or alcohol foam. Water may be ineffective.
<b>Special Remarks on Fire Hazards</b>	Flammable.
<b>Special Remarks on Explosion Hazards</b>	No additional remark.

### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Absorb with an inert material.
<b>Large Spill and Leak</b>	Eliminate all sources of ignition. Prevent entry into sewers, basements or confined areas. Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Personal Protection in Case of a Large Spill</b>	Wear appropriate respirator when ventilation is inadequate. Gloves (impervious). Splash goggles. Synthetic apron.

### Section 7. Handling and Storage

<b>Precautions</b>	DANGER! Avoid breathing vapors or spray mists. Avoid contact with skin and eyes.
<b>Incompatibility</b>	No specific information is available in our data base regarding the reactivity of this material in presence of various other materials.
<b>Storage</b>	Flammable materials should be stored in a separate safety storage cabinet or room. Keep out of reach of children. For Institutional and Commercial Use

### Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels.
<b>Personal Protection</b>	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	Long Pants and Long Sleeves to avoid skin contact.
<i>Respiratory</i>	Wear appropriate respirator when ventilation is inadequate.
<i>Hands</i>	Gloves (impervious).

**Protective Clothing  
(Pictograms)**



**Exposure Limits**

**Xylene**

TWA: 100 (ppm)  
TWA: 100 (ppm) from OSHA (PEL)  
STEL: 150 (ppm)

**Liquified Petroleum Gas**

TWA: 1000 (ppm)  
TWA: 1000 (ppm) from OSHA (PEL)

**Isopropyl Alcohol**

TWA: 400 (ppm)  
TWA: 400 (ppm) from OSHA (PEL)  
STEL: 500 (ppm)

**Acetone**

TWA: 750 (ppm)  
TWA: 1000 (ppm) from OSHA (PEL)  
STEL: 1000 (ppm)

**Diacetone Alcohol**

TWA: 50 (ppm)  
TWA: 50 (ppm) from OSHA (PEL)

**Ammonium Hydroxide**

TWA: 50 (ppm)  
TWA: 50 (ppm) from OSHA (PEL)  
STEL: 35 (ppm)

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Gas. (Gas.)	<b>Odor</b>	Characteristic.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH</b>		<b>Color</b>	Clear
<b>Boiling/Condensation Point</b>	Not available.		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	0.9 (Water = 1)		
<b>Vapor Pressure</b>	Not available.		
<b>Vapor Density</b>	>1		
<b>Volatility</b>	98% (w/w).		
<b>VOC</b>	98 (%)		
<b>Evaporation Rate</b>	>1 compared to Water		

<b>Dispersion Properties</b>	Not dispersed in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.
<b>Solubility</b>	Insoluble in cold water, hot water.
<b>The Product is:</b>	Flammable.
<b>Auto-ignition Temperature</b>	N/A
<b>Flash Points</b>	OPEN CUP: -82.778°C (-117°F) (TCC).
<b>Flammable Limits</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	EXTREMELY FLAMMABLE.
<b>Explosion Hazards in Presence of Various Substances</b>	Heated Cans May burst.

### **Section 10. Stability and Reactivity Data**

<b>Stability</b>	Stable
<b>Incompatibility with Various Substances</b>	No specific information is available in our data base regarding the reactivity of this material in presence of various other materials.
<b>Hazardous Decomposition Products</b>	not available

### **Section 11. Toxicological Information**

<b>Routes of Entry</b>	Eye Contact INHALATION Skin contact.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 5000 mg/kg [Rat]. (Xanthan Gum).
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> This product is a severe eye irritant. Eye contact can result in corneal damage or blindness.</p> <p><i>Skin</i> Irritant. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Harmful if inhaled. May cause headache, dizziness.</p> <p><i>Ingestion</i> Harmful if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.</p>
<b>Chronic Effects on Humans</b>	Severe over-exposure can produce lung damage, choking, unconsciousness or death. Repeated skin exposure can produce local skin destruction, or dermatitis.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	Chemical pneumonitis.

### **Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not Available
<b>BOD5 and COD</b>	Not Available
<b>Products of Biodegradation</b>	Not Available
<b>Toxicity of the Products of Biodegradation</b>	as toxic as the original product.
<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** 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 B-5: Flammable aerosol. WHMIS CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).



**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: Flammable aerosol.  
HCS CLASS: Toxic.

**USA Regulatory Lists**

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Xylene  
SARA 313 toxic chemical notification and release reporting: Xylene

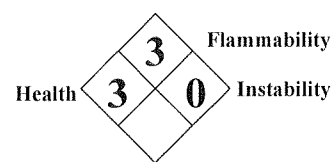
**DSD (EEC)** This product is not classified according to the EU regulations.

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

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

Health	*	3
Flammability		4
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 3/2/2010.

Verified by CRushton.

Printed 3/2/2010.

**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 3/2/2010.

**Graffiti Remover**

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