





Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

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

Product Name/ Trade name Graffiti Remover	Code 015
Synonym Graffiti Remover	CAS # Mixture.
Chemical Family N/A	Validation Date 3/20/2004
Chemical Formula N/A	Print Date 3/27/2004
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.	Protective Clothing 
DSL/ NDSL 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) Xylene	1330-20-7	50-60	TWA: 100 (ppm) TWA: 100 (ppm) from OSHA (PEL) [United States]	Not available.
2) Liquified Petroleum Gas	68476-85-7	10-20	STEL: 150 (ppm) TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.
3) 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].
4) Acetone	67-64-1	5-10	STEL: 500 (ppm) TWA: 750 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.
5) 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

Potential Acute Health Effects	Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.
Potential Chronic Health Effects	Severe over-exposure can produce lung damage, choking, unconsciousness or death. Repeated skin exposure can produce local skin destruction, or dermatitis.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Avoid contact with eyes. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Seek medical attention.
Inhalation	Remove to fresh air. Oxygen may be administered if breathing is difficult. Seek medical attention.
Ingestion	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

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

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material.
Large Spill and Leak	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.
Personal Protection in Case of a Large Spill	Wear appropriate respirator when ventilation is inadequate. Gloves (impervious). Splash goggles. Synthetic apron.

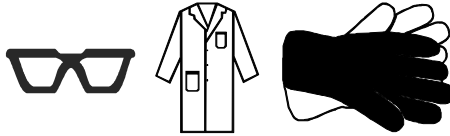
Section 7. Handling and Storage

Precautions	DANGER! Avoid breathing vapors or spray mists. Avoid contact with skin and eyes.
Incompatibility	No specific information is available in our data base regarding the reactivity of this material in presence of various other materials.
Storage	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

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
Eyes	Splash goggles.
Body	Long Pants and Long Sleeves to avoid skin contact.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	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

Physical State and Appearance	Gas. (Gas.)	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH		Color	Clear
Boiling/Condensation Point	Not available.		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.9 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	>1		
Volatility	98% (w/w).		
VOC	98 (%)		
Evaporation Rate	>1 compared to Water		
Dispersion Properties	Not dispersed in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.		

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

Section 10. Stability and Reactivity Data

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

Section 11. Toxicological Information

Routes of Entry	Eye Contact INHALATION Skin contact.
Toxicity to Animals	Acute oral toxicity (LD50): 5000 mg/kg [Rat]. (Xanthan Gum).
Acute Effects on Humans	<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>
Chronic Effects on Humans	Severe over-exposure can produce lung damage, choking, unconsciousness or death. Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	Chemical pneumonitis.

Section 12. Ecological Information

Ecotoxicity	Not Available
BOD5 and COD	Not Available
Products of Biodegradation	Not Available
Toxicity of the Products of Biodegradation	as toxic as the original product.
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 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

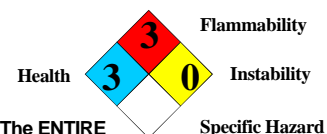
DSD (EEC) This product is not classified according to the EU regulations.

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 3/20/2004.

Verified by CRushton.

Printed 3/27/2004.

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 3/20/2004.

Graffiti Remover

Page: 6/6

Continued on Next Page