



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-2: Material causing other toxic effects. WHMIS (Classification)	HCS CLASS: Irritating substance. HCS CLASS: Flammable aerosol. HCS
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Section 1. Chemical Product and Company Identification

Product Name/ Trade name Spray Adhesive	Code 041
Synonym Spray Adhesive	CAS # Mixture.
Chemical Family Not available.	Validation Date 6/24/2006
Chemical Formula Not applicable.	Print Date 6/24/2006
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
Petroleum Distillates Cyclohexane Liquified Petroleum Gas	64742-49-0 110-82-7 68476-85-7	30 - 40 20 - 30 10 - 40	Not available. Not available. TWA: 1000 ppm OSHA (United States). TWA: 1000 ppm	Not available. Not available. Not available.
Acetone	67-64-1	10 - 20	TWA: 750 ppm OSHA (United States). TWA: 1000 ppm	Not available.
Dimethyl Ether	115-10-6	1 - 10	STEL: 1000 ppm TWA: 1000 ppm OSHA (United States). TWA: 1000 ppm	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	This product may irritate eyes upon contact. Harmful if swallowed. HARMFUL IF INHALED.
Potential Chronic Health Effects	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	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek IMMEDIATE medical attention.
Skin Contact	Wash contaminated skin with soap and water.
Inhalation	HARMFUL IF INHALED. Evacuate the victim to a safe area as soon as possible. Seek IMMEDIATE medical attention.
Ingestion	Can be fatal if inhaled or ingested. DO NOT induce vomiting. Seek IMMEDIATE medical attention.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Use dry chemical or CO2.
Special Remarks on Fire Hazards	May explode when heated.
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	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	Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
Incompatibility	of metals oxidizing agents
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. 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	Use only in well-ventilated areas. Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	No special protective clothing is required.
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate.
<i>Hands</i>	Gloves (impervious).
Protective Clothing (Pictograms)	
Exposure Limits	See Section 2 For Applicable Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance	Spray Adhesive	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH	Not applicable.	Color	Clear
Boiling/Condensation Point	N/A		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.7 (Water = 1)		
Vapor Pressure	6.1 kPa (46 mm Hg) (at 20°C)		
Vapor Density	Not available.		
Volatility	100% (w/w).		
VOC			
Evaporation Rate	Not available.		
Dispersion Properties	not available		
Solubility	Insoluble		
The Product is:	FLAMMABLE.		
Auto-ignition Temperature	Not available.		
Flash Points	Not available.		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	Highly flammable.		
Explosion Hazards in Presence of Various Substances	Explosive in presence of shocks. Containers may explode when heated		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	of metals oxidizing agents
Hazardous Decomposition Products	not available

Section 11. Toxicological Information

Routes of Entry	Eye Contact Ingestion. INHALATION Skin contact.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	<i>Eyes</i> This product is a severe eye irritant. <i>Skin</i> Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. <i>Inhalation</i> Harmful if inhaled. <i>Ingestion</i> Aspiration hazard if swallowed- can enter lungs and cause damage. May be fatal if swallowed.
Chronic Effects on Humans	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	as toxic as the original product.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	Do not flush to sewer. Dispose of in accordance with all applicable Federal, state, and local laws.
Waste Stream	Hazardous Waste (Ignitability)

Section 14. Transport Information

DOT (U.S.A) (Pictograms)



TDG Classification Not available.



PIN UN, Proper Shipping Name, PG Classified ORM-D When Shipped By Ground
This product is a Flammable Aerosol when Shipped By Air.

Maritime Transportation Not available.

Special Provisions for Transport

Not available.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS Class B-5: Flammable aerosol. 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.)** HCS CLASS: Irritating substance. HCS CLASS: Flammable aerosol.

USA Regulatory Lists

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Liquified Petroleum Gas: Fire 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	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 6/24/2006.

Verified by CRushton.

Printed 6/24/2006.

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 6/24/2006.

Spray Adhesive

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