



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: Flammable aerosol. HCS
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Section 1. Chemical Product and Company Identification

Product Name/ Trade name Silicone Spray Lubricant	Code 045
Synonym Silicone Spray Lubricant	CAS # Not applicable.
Chemical Family Not available.	Validation Date 3/2/2007
Chemical Formula Not applicable.	Print Date 3/23/2007
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
Heptane	142-82-5	>57	TWA: 400 (ppm) TWA: 500 (ppm) from OSHA (PEL) [United States]	Not available.
Liquified Petroleum Gas	68476-85-7	<35	STEL: 500 (ppm) TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.
Polydimethylsiloxane Low Odor Base Solvent	63148-62-9 64742-47-8	<5 <1	Not available. TWA: 100 (ppm) TWA: 100 (ppm) from OSHA (PEL) [United States]	Not available. Not available.
Propylene Glycol	57-55-6	<1	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat].
Petroleum Distillates	64742-80-9	<1	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	This product is an eye irritant. Irritating to the mucous membranes of the nose, throat and lungs.
Potential Chronic Health Effects	Repeated skin exposure can produce local skin destruction, or dermatitis. Severe over-exposure can result in death.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Flush with large quantities of water. Seek medical attention if irritation persists.
Skin Contact	Remove contaminated clothing. Flush affected area with large quantities of water. Seek medical attention if irritation persists.
Inhalation	Get to fresh air. Give oxygen if breathing is difficult. If breathing has stopped give artificial respiration. Seek medical attention.
Ingestion	Do not induce vomiting. Seek medical attention immediately.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Foam, dry chemical, or CO2.
Special Remarks on Fire Hazards	Flammable. Container explosion may occur under fire conditions or when heated.
Special Remarks on Explosion Hazards	Heated cans may burst.

Section 6. Accidental Release Measures

Small Spill and Leak	Safety glasses. Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Aerosol that may flashback. Call for assistance on 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.

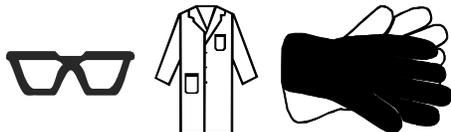
Section 7. Handling and Storage

Precautions	Avoid contact with skin and eyes. Keep away from heat. After handling, always wash hands thoroughly with soap and water.
Incompatibility	Strong oxidizers.
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	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	No special protective clothing is required.
<i>Respiratory</i>	Wear appropriate respirator when ventilation is inadequate.
<i>Hands</i>	Gloves.

Protective Clothing (Pictograms)



Exposure Limits	Heptane TWA: 400 (ppm) TWA: 500 (ppm) from OSHA (PEL) STEL: 500 (ppm) Liquified Petroleum Gas TWA: 1000 (ppm)
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TWA: 1000 (ppm) from OSHA (PEL)

Low Odor Base Solvent

TWA: 100 (ppm)

TWA: 400 (ppm) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH	Not available.	Color	Clear
Boiling/Condensation Point	N/A		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	30 psig @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	95		
VOC	Not available.		
Evaporation Rate	>1		
Dispersion Properties	Not available.		
Solubility	Not available.		
The Product is:	COMBUSTIBLE.		
Auto-ignition Temperature	Not available.		
Flash Points	Not available.		
Flammable Limits	LOWER: 1.8% UPPER: 8.5%		
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.		
Explosion Hazards in Presence of Various Substances	Heated Cans May burst		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Strong oxidizers.
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicological Information

Routes of Entry	NONE
Toxicity to Animals	Acute oral toxicity (LD50): 5000 mg/kg [Rat]. (Propylene Glycol).
Acute Effects on Humans	<p><i>Eyes</i> Eye irritant. May cause redness, tearing, pain, or slight corneal injury.</p> <p><i>Skin</i> Skin irritant. Prolonged or repeated contact may cause drying, flaking, or dermatitis.</p> <p><i>Inhalation</i> Irritating to the respiratory tract. May cause slight anesthetic or narcotic effects. Excessive exposure may cause drowsiness, dizziness, and loss of coordination.</p> <p><i>Ingestion</i> Irritating to the gastrointestinal system. Can cause nausea, vomiting, and diarrhea.</p>
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis. Severe over-exposure can result in death.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecological Information

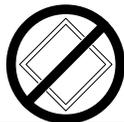
Ecotoxicity	Not Available
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	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 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-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: Flammable aerosol.

USA Regulatory Lists

DSD (EEC)

International Regulations Lists No products were found.

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

Health	2
Flammability	4
Physical Hazard	1

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.

Silicone Spray Lubricant

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