






# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

|  |  |                                      |
|--|--|--------------------------------------|
| <br><br>WHMIS (Pictograms) | WHMIS CLASS B-5: Flammable aerosol. WHMIS CLASS D-2: Material causing other toxic effects.<br>WHMIS (Classification) | HCS CLASS: Flammable aerosol.<br>HCS |
|--|--|--------------------------------------|

## Section 1. Chemical Product and Company Identification

|                          |  |   |                         |
|--------------------------|--|---|-------------------------|
| Product Name/ Trade name | <b>Silicone Spray Lubricant</b>  | Code  | 045                     |
| Synonym                  | Silicone Spray Lubricant   | CAS #   | Not applicable.         |
| Chemical Family          | Not available.   | Validation Date   | 5/8/2003                |
| Chemical Formula         | Not applicable.  | Print Date  | 3/27/2004               |
| Manufacturer/ Supplier   | Betco Corporation<br>1001 Brown Avenue<br>Toledo, Ohio 43607<br>(419) 241-2156 | In Case of Emergency  | Chemtrec (800) 424-9300 |
| TSCA                     | TSCA Inventory: All components listed or are exempt from listing.              |   |                         |
| DSL/ NDSL                | All components listed unless noted elsewhere on this MSDS                      |   |                         |
|                          |  | <b>Protective Clothing</b><br> |                         |

## Section 2. Composition and Information on Ingredients

| Name                       | CAS #      | % by Weight | Exposure Limits   | LC <sub>50</sub> /LD <sub>50</sub>    |
|----------------------------|------------|-------------|---|---------------------------------------|
| 1) Heptane                 | 142-82-5   | >57         | TWA: 400 (ppm)<br>TWA: 500 (ppm) from OSHA (PEL) [United States]                      | Not available.                        |
| 2) Liquified Petroleum Gas | 68476-85-7 | <35         | STEL: 500 (ppm)<br>TWA: 1000 (ppm)<br>TWA: 1000 (ppm) from OSHA (PEL) [United States] | Not available.                        |
| 3) Polydimethylsiloxane    | 63148-62-9 | <5          | Not available.  | Not available.                        |
| 4) Low Odor Base Solvent   | 64742-47-8 | <1          | TWA: 100 (ppm)<br>TWA: 100 (ppm) from OSHA (PEL) [United States]                      | Not available.                        |
| 5) Propylene Glycol        | 57-55-6    | <1          | Not available.  | ORAL (LD50): Acute: 5000 mg/kg [Rat]. |
| 6) Petroleum Distillates   | 64742-80-9 | <1          | Not available.  | Not available.                        |

## Section 3. Hazards Identification

|   |   |
|---|---|
| <b>Potential Acute Health Effects</b>   | This product is an eye irritant. Irritating to the mucous membranes of the nose, throat and lungs.                  |
| <b>Potential Chronic Health Effects</b> | Repeated skin exposure can produce local skin destruction, or dermatitis. Severe over-exposure can result in death. |
| <b>Carcinogenic Effects</b>             | 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.   |

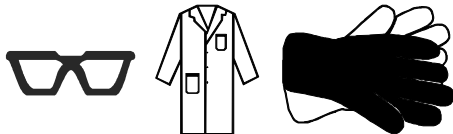
#### Section 6. Accidental Release Measures

|  |   |
|--|---|
| 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)  
 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**

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

**Eyes** Eye irritant. May cause redness, tearing, pain, or slight corneal injury.

**Skin** Skin irritant. Prolonged or repeated contact may cause drying, flaking, or dermatitis.

**Inhalation** Irritating to the respiratory tract. May cause slight anesthetic or narcotic effects. Excessive exposure may cause drowsiness, dizziness, and loss of coordination.

**Ingestion** Irritating to the gastrointestinal system. Can cause nausea, vomiting, and diarrhea.

**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)**



|   |                                    |   |
|---|------------------------------------|---|
| <b>TDG Classification</b>               | Not controlled under TDG (Canada). |  |
| <b>PIN UN, Proper Shipping Name, PG</b> | Not applicable.                    |   |
| <b>Maritime Transportation</b>          | Not available.                     |   |
| <b>Special Provisions for Transport</b> | Not applicable.                    |   |

| <b>Section 15. Other Regulatory Information and Pictograms</b>   |  |   |   |              |   |                 |   |   |
|--|--|---|---|--------------|---|-----------------|---|---|
| <b>WHMIS (Classification)</b>  | WHMIS CLASS B-5: Flammable aerosol. WHMIS CLASS D-2: Material causing other toxic effects.   |  |   |              |   |                 |   |   |
| <b>Regulatory Lists</b>  | No products were found.  |   |   |              |   |                 |   |   |
| <b>Other Regulations</b>   | OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).   |   |   |              |   |                 |   |   |
| <b>Other Classifications</b>   | <b>HCS (U.S.A.)</b>  | HCS CLASS: Flammable aerosol.   |   |              |   |                 |   |   |
|  | <b>USA Regulatory Lists</b>  |   |   |              |   |                 |   |   |
|  | <b>DSD (EEC)</b>   |   |   |              |   |                 |   |   |
|  | <b>International Regulations Lists</b>   | No products were found.   |   |              |   |                 |   |   |
| <b>Hazardous Material Information System (U.S.A.)</b>  | <table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Flammability</td> <td>4</td> </tr> <tr> <td>Physical Hazard</td> <td>1</td> </tr> </table> | Health  | 2 | Flammability | 4 | Physical Hazard | 1 | <b>National Fire Protection Association (U.S.A.)</b><br> |
| Health   | 2  |   |   |              |   |                 |   |   |
| Flammability   | 4  |   |   |              |   |                 |   |   |
| Physical Hazard  | 1  |   |   |              |   |                 |   |   |
| <p>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.</p> |  |   |   |              |   |                 |   |   |

| <b>Section 16. Other Information</b>  |  |
|---|--|
| Validated by CRushton on 5/8/2003.  | Verified by CRushton.<br>Printed 3/27/2004.                  |
| <b>Information Contact</b>  | Betco Corporation<br>1001 Brown Avenue<br>Toledo, Ohio 43607 |
| <u>Notice to Reader</u>   |  |
| <p><i>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.</i></p> <p><i>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.</i></p> |  |

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