# Material Safety Data Sheet

## Chemsico Division of United Industries
P. O. Box 142642
St. Louis, MO  63114-0642

## Material Safety Data Sheet

<table>
<thead>
<tr>
<th>Hazardous Material Identification System – (HMIS)</th>
<th>HEALTH - 1</th>
<th>REACTIVITY - 0</th>
<th>FLAMMABILITY - 2</th>
<th>PERSONAL -</th>
</tr>
</thead>
</table>

## I  Trade Name: Black Flag Concentrated Fogger

## Product Type: Total Release Aerosol Insecticide

## Product Item Number: HG-11037

## Formula Code Number: 21-1233/01-1007

### EPA Registration Number
73049-454-9688

### Manufacturer
Chemsico
Division of United Industries Corporation
8494 Chapin Industrial Drive
St. Louis, MO  63114

### Emergency Telephone Numbers
- For Chemical Emergency: 1-800-633-2873
- For Information: 1-800-887-3524

## II  Hazards Ingredient/Identity Information

### Chemical % OSHA PEL ACGIH TLV

<table>
<thead>
<tr>
<th>Chemical</th>
<th>%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral spirits</td>
<td>9.0</td>
<td>100 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td>CAS# 8012-95-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cypermethrin</td>
<td>0.824</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>CAS #52315-07-8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrocarbon propellant blend</td>
<td>35.0</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>CAS # 75-28-5/106-97-8/74-98-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## III  Physical and Chemical Characteristics

### Appearance & Odor:
Fan spray with clear wet film and pyrethroid odor.

### Boiling Point:
NA

### Melting Point:
NA

### Vapor Pressure:
110 psig at 54°C/130°F

### Specific Gravity:
NA

### Vapor Density:
Greater than 1 (Air = 1)

### % Volatile (by vol.):
99%

### Solubility in Water:
Greater than 61%

### Evaporation Rate:
Less than 1 (Butyl Acetate = 1)

## IV  Fire and Explosive Hazards Data

### Flash Point:
117°F (TCC)

### Flame Extension:
0-inches (Level 1 Aerosol)

### Flammable Limits:
NA

### Autoignition Temperature:
NA

### Fire Extinguishing Media:
Water fog, Carbon dioxide, Dry chemical

### Decomposition Temperature:
NA

### Special Fire-Fighting Procedures:
Keep cans cool. Use equipment or shielding to protect personnel against bursting, rupturing or venting cans.

### Unusual Fire & Explosion Hazards:
At elevated temperatures (over 54°C/130°F), cans may vent, rupture or burst. Also see Section V.

## V  Reactivity Data

### Stability:
Stable

### Polymerization:
Will not occur

### Conditions to Avoid:
Temperatures over 130°F

### Incompatible Materials:
NA

### Hazardous Decomposition:
Carbon dioxide, carbon monoxide

### Byproducts:

## VI  Health Hazard Data

### Ingestion:
Harmful if swallowed. **First Aid:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth top an unconscious person. **Eye Contact:** Causes moderate eye irritation. **First Aid:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present after the first 5 minutes then continue rising eye. Call a Poison Control Center for treatment advice. Have the product container with you when calling a Poison Control Center or going for treatment.

**Special Notes:** May pose aspiration hazard. Contains petroleum distillate

### Health conditions Aggravated by Exposure:
None known

### Ingredients listed by NTP, OSHA, or IARC as Carcinogens or Potential Carcinogens:
None

## VII  Precautions for Safe Handling and Use

### Steps to be Taken in Case Material is Released or Spilled:
Avoid breathing vapors. Avoid contact with liquid. Remove ignition sources. Soak up spills with absorbent material.

**Waste Disposal:**
- Do not puncture or incinerate! If empty: Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency for disposal instructions.

### Handling & Storage Precautions:
- Do not store where temperatures can exceed 54°C/130°F.

## VIII  Control Measures

Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.

## IX  Transportation Data

<table>
<thead>
<tr>
<th>DOT</th>
<th>Consumer Commodity, ORM-D, UN-1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG</td>
<td>UN-1950, Aerosols, 2.1</td>
</tr>
<tr>
<td>IATA</td>
<td>Un-1950, Aerosols, Flammable, 2.1</td>
</tr>
</tbody>
</table>

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