

Conforms to Hazard Communication Standard 29 CFR 1910.1200

### Section 1 - IDENTIFICATION

**Product Identifier:** Black Flag® Concentrated Fogger<sub>2</sub>

**Other Means of Identification:**

Product Code HG-11079  
Formula Number 21-1322  
EPA Reg. Number 1021-2763-9688

**Recommended Use:** Insecticide - Fogger

**Recommended Restrictions:** Use in accordance with label directions

**Manufacturer/Importer/Supplier/Distributor Information:**

Company Name Chemsico, Division of United Industries Corporation  
Address PO Box 142642, St. Louis, MO 63114-0642  
Telephone Number 1-800-887-3524

**Emergency Telephone Number:**

CHEMTREC (800)424-9300  
Medical (800)633-2873

### Section 2 - HAZARD(S) IDENTIFICATION

**Classification of Substance or Mixture:**

Physical Hazard(s) Flammable Aerosol - Category 2  
Gases Under Pressure - Liquefied Gas

Health Hazard(s) Not classified as a health hazard

**Label Elements:**

Hazard Pictogram(s)



Signal Word

WARNING

Hazard Statements:

Flammable aerosol

Precautionary Statements:

Contains gas under pressure; may explode if heated  
Keep away from heat, sparks, open flames, and hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

**Hazard(s) not Otherwise Classified (HNOC):** No additional information available

**Supplemental Information:** None

### Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                               | Synonyms | CAS Number | %     |
|---|----------|------------|-------|
| Isobutane                                   | n/a      | 75-28-5    | < 20  |
| Propane                                     | n/a      | 74-98-6    | < 15  |
| Distillates (petroleum), hydrotreated light | n/a      | 64742-47-8 | 5.000 |
| Cypermethrin                                | n/a      | 52315-07-8 | 0.824 |

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

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#### Section 4 - FIRST-AID MEASURES

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| <b>Inhalation:</b>   | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.         |
| <b>Skin Contact:</b>   | In case of contact, wash skin with plenty of water. If skin irritation or redness develops, seek medical attention.  |
| <b>Eye Contact:</b>  | In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.                                      |
| <b>Ingestion:</b>  | If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention. |
| <b>Most Important Symptoms/Effects, Acute and Delayed:</b>                       | Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.   |
| <b>Indication of Immediate Medical Attention &amp; Special Treatment Needed:</b> | Immediate medical attention should not be required.  |

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#### Section 5 - FIRE-FIGHTING MEASURES

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| <b>Suitable Extinguishing Media:</b>                                  | Dry chemical or CO <sub>2</sub> .   |
| <b>Unsuitable Extinguishing Media:</b>                                | None: Use extinguishing agent suitable for type of surrounding fire.  |
| <b>Specific Hazards Arising from the Chemical:</b>                    | Products of combustion may include, and are not limited to: oxides of carbon.   |
| <b>Special Protective Equipment and Precautions for Firefighters:</b> | Keep upwind of fire. Vapors may cause dizziness or asphyxiation without warning. Vapors from liquefied gas are initially heavier than air and spread along ground. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire may produce irritating, corrosive and/or toxic gases. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing will only provide limited protection. |
| <b>In Case of Large Fire:</b>   | Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.  |
| <b>Potential Hazards:</b>   | Some may burn but none ignite readily. Containers may explode when heated. Ruptured cylinders may rocket.   |

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#### Section 6 - ACCIDENTAL RELEASE MEASURES

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| <b>Personal Precautions, Protective Equipment and Emergency Procedures:</b> | Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. |
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**Methods and Materials for Containment and Cleaning Up:** Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not direct water at spill or source of leak. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. If possible, turn leaking containers so that gas escapes rather than liquid. Prevent entry into waterways, sewers, basements or confined areas. Allow substance to evaporate. Ventilate the area.

**Environmental Precautions:** Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

**Section 7 - HANDLING AND STORAGE**

**Precautions for Safe Handling:** Avoid breathing mist. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not spray on an open flame or other ignition source.

**Conditions for Safe Storage, Including any Incompatibilities:** Keep out of reach of children. Keep container tightly closed. Keep away from heat, sparks, open flames, and hot surfaces. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. (See section 10).

**NFPA 30B Classification:** Level 1 Aerosol

**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control Parameters:**

| Chemical Name                               | Exposure Limits |                   |           |   |              |                   |
|---|-----------------|-------------------|-----------|---|--------------|-------------------|
|   | OSHA PEL        |                   | ACGIH TLV |   | Supplier OEL |                   |
|   | ppm             | mg/m <sup>3</sup> | ppm       | mg/m <sup>3</sup>                           | ppm          | mg/m <sup>3</sup> |
| Isobutane                                   | -               | -                 | STEL 1000 | -   | -            | -                 |
| Propane                                     | TWA 1000        | TWA 1800          | TWA 1000  | -   | -            | -                 |
| Distillates (petroleum), hydrotreated light | -               | -                 | -         | TWA 200 (as total hydro-carbon vapor, 8 hr) | -            | -                 |
| Cypermethrin                                | -               | -                 | -         | -   | -            | TWA 0.5           |

**Appropriate Engineering Controls:** General ventilation should be adequate for all normal use.

**Individual Protective Measures, Such as Personal Protective Equipment:**

Eye/face protection: None required for normal use. Avoid eye contact.  
 Skin and body protection: None required under normal use conditions.  
 Respiratory protection: None required under normal use conditions.  
 General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

|  |                                       |
|--|---------------------------------------|
| <b>Appearance (physical state, color, etc.):</b>     | Clear to slightly hazy, yellow liquid |
| <b>Odor:</b>   | Fragrance, solvent, and pyrethroid    |
| <b>Odor Threshold:</b>                               | No data available                     |
| <b>pH:</b>   | 7.3                                   |
| <b>Melting / Freezing Point:</b>                     | No data available                     |
| <b>Initial boiling point and range:</b>              | No data available                     |
| <b>Flashpoint:</b>                                   | No data available                     |
| <b>Evaporation Rate:</b>                             | No data available                     |
| <b>Flammability (solid, gas):</b>                    | No data available                     |
| <b>Upper/lower flammability or explosive limits:</b> | No data available                     |
| <b>Vapor pressure:</b>                               | No data available                     |
| <b>Vapor density:</b>                                | No data available                     |
| <b>Relative density:</b>                             | 0.860-0.877                           |
| <b>Solubility(ies):</b>                              | Soluble in water                      |
| <b>Partition coefficient (n-octanol/water):</b>      | No data available                     |
| <b>Auto-ignition temperature:</b>                    | No data available                     |
| <b>Decomposition temperature:</b>                    | No data available                     |
| <b>Viscosity:</b>                                    | No data available                     |
| <b>Heat of Combustion:</b>                           | 15.81 kJ/g                            |

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### Section 10 - STABILITY AND REACTIVITY

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| <b>Reactivity:</b>                         | No dangerous reaction known under conditions of normal use. |
| <b>Chemical stability:</b>                 | Stable under normal storage conditions.                     |
| <b>Possibility of hazardous reactions:</b> | No dangerous reaction known under conditions of normal use. |
| <b>Conditions to avoid:</b>                | Heat. Incompatible materials.                               |
| <b>Incompatible materials:</b>             | None known.   |
| <b>Hazardous decomposition products:</b>   | May include, and are not limited to oxides of carbon.       |

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### Section 11 - TOXICOLOGICAL INFORMATION

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**Information on the likely routes of exposure:** Inhalation, Ingestion and/or skin or eye contact

**Symptoms related to the physical, chemical and toxicological characteristics:**

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|---------------|---|
| Inhalation:   | May cause respiratory tract irritation.   |
| Ingestion:    | May be harmful if swallowed. May cause stomach distress, nausea or vomiting.  |
| Skin contact: | May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.  |
| Eye contact:  | May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. |

**Acute Toxicity Values:**

| Calculated overall Chemical Acute Toxicity Values (ATE) |               |                   |
|---|---------------|-------------------|
| LD50 (Oral)   | LD50 (Dermal) | LC50 (inhalation) |
| >2000 mg/kg   | >2000 mg/kg   | >2 mg/l           |

**Eye Contact:**

Based on available data, the classification criteria are not met.

**Skin Contact:**

Based on available data, the classification criteria are not met.

**Sensitization:**

Based on available data, the classification criteria are not met.

**Chronic Effects-  
 Carcinogenicity:**

| Ingredient   | Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA) |
|--|---|
| None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists. |   |

**Reproductive Toxicity:**

Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity:**

Based on available data, the classification criteria are not met.

**STOT-single exposure:**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

**Aspiration hazard:**

Based on available data, the classification criteria are not met.

**Comment:**

All information was generated using the GHS classification criteria for mixtures and test data where available.

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**Section 12 - ECOLOGICAL INFORMATION**

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**Ecotoxicity:**

Per GHS, this product is classified as a category 1 aquatic acute toxicant and a category 1 aquatic chronic toxicant.

**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

**Mobility in soil:**

No data available

**Other adverse effects:**

No data available

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**Section 13 - DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all local, state/provincial and federal regulations. For more information see product label.

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**Section 14 - TRANSPORTATION INFORMATION**

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|             |                       |          |
|-------------|-----------------------|----------|
| <b>DOT:</b> | UN Number:            | UN1950   |
|             | Proper Shipping Name: | Aerosols |
|             | Hazard Class:         | 2.1      |
|             | Packing Group:        | None     |
|             | Limited Quantity:     | ≤1L      |

|              |                       |                    |
|--------------|-----------------------|--------------------|
| <b>IATA:</b> | UN Number:            | UN1950             |
|              | Proper Shipping Name: | Aerosols           |
|              | Hazard Class:         | 2.1                |
|              | Packing Group:        | None               |
| <b>IMDG:</b> | UN Number:            | UN1950             |
|              | Proper Shipping Name: | Aerosols           |
|              | Hazard Class:         | 2.1                |
|              | Packing Group:        | None               |
|              | Limited Quantity:     | ≤1L                |
|              | Marine Pollutant:     | Yes (Cypermethrin) |

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### Section 15 - REGULATORY INFORMATION

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#### US EPA Label Information:

**EPA Pesticide Registration Number** 1021-2763-9688

#### **Federal Insecticide, Fungicide, Rodenticide Act Regulations**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### **EPA Pesticide Label**

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Breathing spray mist may be harmful. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.

**FIRST AID: If In Eyes:** 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 rinsing. Call a poison control center or doctor for treatment advice. **If Swallowed:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. **Note to Physician:** May pose an aspiration hazard. Contains petroleum distillate. **Hotline Number:** Have the product container or label with you when calling a poison control center or doctor. You may also contact 1-800-887-3524 for emergency medical treatment information.

**PHYSICAL OR CHEMICAL HAZARDS:** Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on the label carefully.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place away from heat or open flame, preferably in a locked storage area. **Pesticide Disposal and Container Handling:** Do Not Puncture or Incinerate! **If Empty:** Place in trash or offer for recycling if available. **If Partly Filled:** Call

your local solid waste agency for disposal instructions.

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| <b>EPA TSCA Inventory:</b>             | All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.  |
| <b>SARA Hazard Category (311/312):</b> | See OSHA hazards listed in section 2.  |
| <b>SARA 313:</b>                       | Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. |

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**Disclaimer:** Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Section 16 - OTHER INFORMATION**

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