

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Black Flag® Flying Insect Killer₃ (Clean Fresh Scent)

Other Means of Identification:

Product Code HG-11076; HG-11076C; HG-11153; HG-11170; HG-91076; HG-91076C
Formula Number 21-1381; 21-1692
EPA Reg. Number 9688-111

Recommended Use: Insecticide - Flying Bug, aerosol

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 (866)823-2749

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:

Physical Hazard(s) Flammable Aerosol - Category 2
Gases Under Pressure - Low Pressure Liquefied Gas
Health Hazard(s) Acute Toxicity (Inhalation) - Category 4

Label Elements:

Hazard Pictogram(s)



Signal Word

WARNING

Hazard Statements:

Flammable aerosol
Contains gas under pressure; may explode if heated
Harmful if inhaled

Precautionary Statements:

Keep away from heat, sparks, open flames, and hot surfaces. - No smoking.
Avoid breathing mist or spray. Use only outdoors or in a well-ventilated area.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/ doctor if you feel unwell.
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	13.46
Petroleum Distillates	n/a	64742-47-8	7.90
Propane	n/a	74-98-6	5.04
Piperonyl Butoxide	n/a	51-03-6	0.50
Permethrin	n/a	52645-53-1	0.20
Pyrethrins	n/a	8003-34-7	0.10

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.

Section 4 - FIRST-AID MEASURES

Inhalation: 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.

Skin Contact: In case of contact, wash skin with plenty of water. If skin irritation or redness develops, seek medical attention.

Eye Contact: In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Ingestion: 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.

Most Important Symptoms/Effects, Acute and Delayed: Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.

Indication of Immediate Medical Attention & Special Treatment Needed: Immediate medical attention should not be required.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical or CO₂.

Unsuitable Extinguishing Media: None: Use extinguishing agent suitable for type of surrounding fire.

Specific Hazards Arising from the Chemical: Products of combustion may include, and are not limited to: oxides of carbon.

Special Protective Equipment and Precautions for Firefighters: 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.

In Case of Large Fire: 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.

Potential Hazards: Some may burn but none ignite readily. Containers may explode when heated. Ruptured cylinders may rocket.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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 or spray. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors in a well-ventilated area.

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. 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 ³	ppm	mg/m ³	ppm	mg/m ³
Pyrethrins	-	TWA 5	-	TWA 5; STEL 10	-	-
Petroleum Distillates	-	-	-	TWA 200 (as total hydro-carbon vapor) 8 hr	-	-
Isobutane	-	-	STEL 1000	-	NIOSH REL - TWA 800	NIOSH REL - TWA 1900
Propane	TWA 1000	TWA 1800	TWA 1000	-	NIOSH REL TWA 1000	NIOSH REL TWA 1800

Appropriate Engineering Controls: Only use outdoors or in a well-ventilated area.

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:	Only use outdoors or in a well-ventilated area.
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

Appearance (physical state, color, etc.):	Clear, yellow liquid
Odor:	Solvent, fragrance and pyrethroid
Odor Threshold:	No data available
pH:	7.42
Melting / Freezing Point:	No data available
Initial boiling point and range:	No data available
Flashpoint:	No data available
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.8261 - 0.8427
Solubility(ies):	Soluble in water
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Heat of Combustion:	11.7 kJ/g

Section 10 - STABILITY AND REACTIVITY

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

Section 11 - TOXICOLOGICAL INFORMATION

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

Symptoms related to the physical, chemical and toxicological characteristics:

- Inhalation: Harmful if inhaled. May cause respiratory tract irritation.
- Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or
- 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	1.0-5.0 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.

Section 12 - ECOLOGICAL INFORMATION

- Ecotoxicity:** Per GHS, this product is 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

Section 13 - DISPOSAL CONSIDERATIONS

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

Section 14 - TRANSPORTATION INFORMATION

DOT:	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
	Limited Quantity:	≤1L
IATA:	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
IMDG:	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
	Limited Quantity:	≤1L
	Marine Pollutant:	Yes (Permethrin & Pyrethrins)

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

EPA Pesticide Registration Number 9688-111

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 inhaled. Avoid breathing vapor or spray mist. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID: If Inhaled: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a Poison Control Center or doctor for further treatment advice. **If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and runoff may be hazardous to fish in water adjacent to treated areas. See Directions for Use for additional precautions and requirements. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

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. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

EPA TSCA Inventory: All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

CERCLA Section 103: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center.

Chemical Name & CAS Number	Chemical RQ (lbs)	Concentration in Product	Product RQ (lbs)
Pyrethrins 8003-34-7	1	0.10%	1,000

SARA Hazard Category (311/312): See OSHA hazards listed in section 2.

SARA 313: Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS #	Threshold Value %
Permethrin	52645-53-1	1.0
Piperonyl Butoxide	51-03-6	1.0

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.

Section 16 - OTHER INFORMATION

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