

SAFETY DATA SHEET

Issue Date: 08-Sept-2015

Revision Date: 08-Sept-2015

Version: 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: BLACK FLAG FOGGING INSECTICIDE FORMULA 2

EPA Registration Number: 190255/190256/190457, EPA REG. NO.: 1021-1866-53853

Other means of identification

Recommended use of the chemical and restrictions on use:

Recommended Use: Insecticide.

Details of the supplier of the safety data sheet

Manufacturer Address:

The Fountainhead Group, Inc.

23 Garden Street

New York Mills, NY 13417

Telephone Number:

(800) 311-9903, or (315) 736-0037

e-Mail Address: GStewart@TheFGI.com or Info@TheFGI.com

FAX #:

(315) 768-4220

Emergency telephone numbers:

24 Hour TRANSPORTATION Emergency: CHEMTREC®: (800) 424-9300

International: (703) 527-3887

24 Hour MEDICAL Emergency: SafetyCall®: (888) 740-8712, or (952) 852-9509

SOLD BY:

The Fountainhead Group, Inc.

23 Garden Street

New York Mills, NY 13417

Customer Service Number: (315) 736-0037

Alternate Customer Service: (800) 311-9903

Comments: The Fountainhead Group, Inc. hours of operation are 8:00 am to 5:00 pm EST

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

| | |
|---|------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Aspiration toxicity | Category 1 |


Label elements

Emergency Overview

DANGER

Hazard statements

- H332 - Harmful if inhaled
- H304 - May be fatal if swallowed and enters airways
- H402 - Harmful to aquatic life
- H412 - Harmful to aquatic life with long lasting effects



Appearance: Clear , colorless
Physical state: Liquid
Odor: Slight - Sweet

Precautionary Statements - Prevention:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves

Precautionary Statements - Response:

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

Precautionary Statements - Storage:

P405 - Store locked up

Precautionary Statements - Disposal:

P501 - Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):

Not applicable.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---|------------|-------------|
| SUMITHRIN® (d-Phenothrin) | 26002-80-2 | 0.150 |
| Piperonyl Butoxide (PBO) | 51-03-6 | 0.150 |
| Petroleum distillates, hydrotreated light | 64742-47-8 | 90<--->99 * |
| White mineral oil, petroleum | 8042-47-5 | < 2 * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES**Aspiration pneumonia hazard:** • May be fatal if swallowed and enters airways.**Description of first aid measures:**

| | |
|--|---|
| Eye contact: | 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 eye. Call a poison control center or doctor for treatment advice. |
| Skin Contact: | 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. |
| Ingestion: | If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person. |
| Inhalation: | Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. |
| Self-protection of the First Responder: | Use personal protective equipment as required. |
| Note to physicians: | Contains petroleum distillates – vomiting may cause aspiration pneumonia. For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E). |

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Caution: Use of water spray when fighting fire may be inefficient.

Hazardous combustion products: Carbon monoxide. Carbon dioxide (CO₂).

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

| | | | | |
|-------------|-------------------------|-----------------------|---------------------------|---|
| NFPA | Health hazards 2 | Flammability 1 | Instability 0 | Physical and Chemical Properties |
| HMIS | Health hazards 1 | Flammability 1 | Physical hazards 0 | Personal protection |
| | | | | X |

Chronic Hazard Star Legend * = Chronic Health Hazard

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as required.

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. For more information, see product label.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. For more information, see product label.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH | Supplier OEL |
|--|-----------|----------|------------|--|
| Petroleum distillates, hydrotreated light 64742-47-8 | - | - | - | TWA: 100 ppm TWA: 525 mg/m ³ |

Appropriate engineering controls

Engineering Controls: Safety showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection: Tight sealing safety goggles. Face protection shield.

Skin and body protection: Wear protective gloves and protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

| | |
|-------------------------------|--------------------------|
| Physical state: | Liquid |
| Appearance: | Clear , colorless |
| Odor: | Slight - Sweet |
| Odor threshold: | No information available |
| Color (Gardner Scale): | 1 |

| Property: | Values: |
|---|--------------------------|
| pH: | No information available |
| Melting point / freezing point: | No information available |
| Boiling point / boiling range: | No information available |
| Flash point: | > 93.3 °C / > 200.0 °F |
| Flame Extension Test: | No information available |
| Evaporation rate: | No information available |
| Flammability (solid, gas): | No information available |
| Upper flammability limit (UEL): | No information available |
| Lower flammability limit (LEL): | No information available |
| Vapor pressure: | No information available |
| Vapor density: | Heavier than air. |
| Specific Gravity: | No information available |
| Partition coefficient; n-Octanol/ Water: | No information available |
| Autoignition temperature: | No information available |
| Decomposition temperature: | No information available |
| Kinematic viscosity: | No information available |
| Dynamic viscosity: | 9.13 cPs |
| Refractive Index: | 1.4409 |

Comment: • **Method**
Not applicable; immiscible in water.

Tag Closed Cup

@ 23.2 °C
@ 25°C (77°F)

Other Information:

| | |
|-------------------------|-----------------------------------|
| Density: | 0.796 g/cm ³ @ 20.0 °C |
| VOC Content (%): | 0.01 |

Miscibility/ Solubility:

| | |
|-------------------------------|--------------------|
| Water: | Immiscible |
| Alcohol: | Partially miscible |
| Petroleum distillates: | Miscible |
| Aromatic solvents: | Miscible |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials:

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide (CO₂)

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| 11. TOXICOLOGICAL INFORMATION |
|--------------------------------------|

Numerical measures of toxicity - Product Information

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|-----------------------------------|----------------------------------|
| Oral LD₅₀ | >5,000 mg/kg (rat) |
| Dermal LD₅₀ | >2,000 mg/kg (rabbit) |
| Inhalation LC₅₀ | 3.76 mg/L (rat; 4 hours) |
| Eye contact: | Irritation clearing in 48 hours. |
| Skin Contact: | Irritation cleared in 72 hours. |
| Skin Irritation Index: | 0.04 |

Sensitization: Negative. (guinea pig).

Piperonyl Butoxide: Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that this product will result in carcinogenic effects.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

| | |
|----------------------------------|---------------------------|
| Reproductive toxicity: | No information available. |
| Developmental Toxicity | No information available. |
| Teratogenicity: | No information available. |
| STOT - single exposure: | No information available. |
| STOT - repeated exposure: | No information available. |
| Chronic toxicity: | Avoid repeated exposure. |
| Neurological effects: | No information available. |

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|-----------------------------------|
| 12. ECOLOGICAL INFORMATION |
|-----------------------------------|

Ecotoxicity:**Persistence and degradability**

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient; n-Octanol/ Water: |
|---|--|
| White mineral oil, petroleum 8042-47-5 | >6 |

Other adverse effects: No information available**Environmental hazards (EPA):**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

Contaminated packaging: For more information, see product label.

14. TRANSPORT INFORMATION**DOT (Department of Transportation)**

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid
Hazard Class: Non-Hazardous

Other Shipping Information: This material is **not** regulated by the DOT as a hazardous material when shipped in Non-Bulk quantities (*i.e.*, less-than 119 Gallons / 450 Liters).

When shipping in Bulk-quantities (*i.e.*, more than 119 Gallons / 450 Liters), please contact us for transportation questions for the proper shipping description.

Air (IATA/ ICAO)

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid
Hazard Class: Non-Hazardous

Note: Not considered hazardous by IATA/ ICAO regulations for transportation via air.

Vessel (IMO/ IMDG) Not available

15. REGULATORY INFORMATION**US Federal Regulations****SARA 313**

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

SARA 311/312 Hazard**Categories**

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations:**California Proposition 65:**

This product does not contain any Proposition 65 chemicals

U.S. EPA Label Information:

EPA Registration Number: 1021-1866-53853

Difference between SDS and EPA (FIFRA) Pesticide label:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

Precautionary Statements:

- Harmful if swallowed.
- Harmful if absorbed through the skin.

International:

| | |
|---------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Does not comply |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Does not comply |
| PICCS | Does not comply |
| AICS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

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| 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION. |
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Issue Date:
17-Apr-2015

Revision Date:
17-Apr-2015

Revision Note:
New SDS. GHS - Classification.

SDS Prepared By: The Fountainhead Group, Inc.

End of Safety Data Sheet.