



# Safety Data Sheet

Issue date 10-Sep-2014

Version 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product name** CHAMPION SPRAYON FLYING INSECT KILLER FORMULA 2  
**Chemical name** 7-8110

### Other means of identification

**Product code** FG 438-5102-7  
**Synonyms** Flying insect killer  
**Registration number(s)** 498-183

### Recommended use of the chemical and restrictions on use

**Recommended Use** Flying and crawling insect killer.  
**Uses advised against** See "USE RESTRICTIONS" on product label.

### Details of the supplier of the safety data sheet

| Supplier Address                                                               | Manufacturer Address                                                           |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Chase Products Co.<br>2727 Gardner Road<br>Broadview, IL 60155<br>708-273-1121 | Chase Products Co.<br>2727 Gardner Road<br>Broadview, IL 60155<br>708-273-1121 |

### Emergency Telephone Number

**Company Phone Number** 708-865-1000  
**24 Hour Emergency Phone Number** 1-800-255-3924  
**Emergency telephone** ChemTel 1-800-255-3924

## 2. Hazards Identification

### Classification

This chemical is regulated by FIFRA.

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity - Oral               | This is an aerosol product, ingestion is unlikely to occur.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Acute toxicity - Dermal             | Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.                                                                                                                                                                                                                                                                                                                                                                                          |
| Acute toxicity - Inhalation (Gases) | Harmful if inhaled, do not remain in the area during treatment and ventilate thoroughly before reentry.                                                                                                                                                                                                                                                                                                                                                                                  |
| Serious eye damage/eye irritation   | Can cause irritation after contact with the eyes.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| carcinogenicity                     | Active ingredients: Tetramethrin is listed as a Class C carcinogen by EPA. Permethrin: A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks. Piperonyl Butoxide: A statistically significant increase in the number of benign liver tumors appeared in mice fed PBO technical at doses which far exceed any anticipated daily human intake. |

|                       |                |
|-----------------------|----------------|
| Reproductive Toxicity | Not classified |
|-----------------------|----------------|

**Label Elements****EMERGENCY OVERVIEW**

|                                           |                               |                                                                          |
|-------------------------------------------|-------------------------------|--------------------------------------------------------------------------|
| <b>CAUTION</b>                            |                               |                                                                          |
| <b>appearance</b> White, creamy emulsion. | <b>Physical State</b> Aerosol | <b>Odor</b> Characteristic odor of insecticide and petroleum distillate. |

**Hazards not otherwise classified (HNOC)****OTHER INFORMATION**

No information available

**3. Composition/information on Ingredients**

|                        |                       |
|------------------------|-----------------------|
| <b>Common Name</b>     | Insecticide spray.    |
| <b>Synonyms</b>        | Flying insect killer. |
| <b>Chemical Family</b> | Pesticide.            |
| <b>Formula</b>         | 7-8110                |
| <b>Chemical nature</b> | Oil-water emulsion.   |

| Chemical name                             | CAS No     | weight-% | Trade secret |
|-------------------------------------------|------------|----------|--------------|
| Petroleum distillates, hydrotreated light | 64742-47-8 | 5-10     | *            |
| Propane                                   | 74-98-6    | 5-10     | *            |
| n-butane                                  | 106-97-8   | 5-10     | *            |
| Piperonyl Butoxide                        | 51-03-6    | 0.75     | *            |
| Tetramethrin                              | 7696-12-0  | .15      | *            |
| Permethrin                                | 52645-53-1 | 0.15     | *            |

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

**4. First aid measures****FIRST AID MEASURES**

|                     |                                                                                                                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | 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.                           |
| <b>Skin contact</b> | 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.                                                                                             |
| <b>inhalation</b>   | If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. |
| <b>INGESTION</b>    | Ingestion from an aerosol product is unlikely to occur. In case of accidental ingestion, do not induce vomiting unless directed by a physician. Seek medical attention immediately.                                                                     |

**Most important symptoms and effects, both acute and delayed**

|                 |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| <b>Symptoms</b> | Prolonged contact with skin may cause allergic reactions on some individuals. Harmful if inhaled. |
|-----------------|---------------------------------------------------------------------------------------------------|

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Contains petroleum distillates, do not induce vomiting because of aspiration pneumonia hazard.

**5. Fire-fighting measures**

**Suitable extinguishing media**

CO2 (Carbon Dioxide), dry chemical, or water fog.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

**Hazardous combustion products** Thermal decomposition may yield gases like nitrogen oxides, carbon monoxide and carbon dioxide. May emit toxic gases and irritating fumes under fire conditions.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**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.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use with adequate general or local exhaust ventilation.

**For emergency responders** Remove all sources of ignition.

**Environmental Precautions**

**Environmental Precautions** This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation. Avoid sources of ignition. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Clean contaminated surface thoroughly.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin. Avoid getting spray into eyes. Do not deliberately inhale vapor or mist. Do not contaminate food or food handling surfaces. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). **AEROSOL STORAGE LEVEL I (NFPA-30B) .**

**Incompatible Materials**

Avoid heat, open flame and contact with strong acids, strong bases and strong oxidizers.

**8. Exposure Controls/Personal Protection****Control parameters****Exposure guidelines**

See occupational exposure limits listed below.

| Chemical name        | ACGIH TLV      | OSHA PEL                                                                                                         | NIOSH IDLH                                                     |
|----------------------|----------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Propane<br>74-98-6   | TWA: 1000 ppm  | TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup> | IDLH: 2100 ppm<br>TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> |
| n-butane<br>106-97-8 | STEL: 1000 ppm | (vacated) TWA: 800 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>                                                  | TWA: 800 ppm<br>TWA: 1900 mg/m <sup>3</sup>                    |

**Appropriate engineering controls****Engineering controls**

Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment****Eye/face Protection**

Conventional eyeglasses to guard against splashing.

**Skin and Body Protection**

Rubber, vinyl or household type gloves required.

**Respiratory protection**

None required if used in a well-ventilated area. Follow label directions and precautions for the correct use of the product.

**General hygiene considerations**

Wash hands thoroughly after handling.

**9. Physical and Chemical Properties****Information on basic physical and chemical properties****Physical State  
appearance**Aerosol  
White, creamy emulsion.**Odor**Characteristic odor of  
insecticide and petroleum  
distillate.**color**

white

**Property****Values****Remarks • Method****pH**

Not applicable

Water-oil emulsion.

**Melting point/freezing point**

Not applicable

**Boiling point/boiling range**

Water 212 °F/100 °C

**Flash Point**Not Available. This is an aerosol  
product for which Flame Projection is 0  
inches. Temperatures above 120 F  
may cause cans to burst.  
Faster than butyl acetate.**Evaporation Rate****flammability (solid, gas)****Flammability Limits in Air****Upper flammability limits****Lower Flammability Limit****vapor pressure****Specific gravity**

0.970 concentrate

**Water solubility**

slightly soluble

**OTHER INFORMATION****VOC content (%)**

14.5

**density**

8.08 lb/gal

**Bulk Density****10. Stability and Reactivity****Reactivity**

Not applicable

Not applicable

**Chemical stability**

Stable.

**Possibility of hazardous reactions**

Temperatures above 120 F may cause cans to burst with force.

**hazardous polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Temperatures above 120 F.

**Incompatible Materials**

Avoid heat, open flame and contact with strong acids, strong bases and strong oxidizers.

**Hazardous decomposition products**

Thermal decomposition may yield gases like nitrogen oxides, carbon monoxide and carbon dioxide. May emit toxic fumes under fire conditions.

**11. Toxicological Information****Information on likely routes of exposure****Product Information**

Results below are for a very similar product with same concentration of active ingredients.

**inhalation**

Acute Inhalation IV (LC50&gt;4.31 mg/L).

**Eye Contact**

Primary Eye IV.

**Skin contact**

Acute Dermal IV (LD &gt;5,000 mg/kg).

**INGESTION**

Acute Oral IV (LD50 &gt;5,000 mg/kg).

| Chemical name                                              | Oral LD50                                    | dermal LD50                                                      | Inhalation LC50                      |
|------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------|--------------------------------------|
| Water<br>7732-18-5                                         | > 90 mL/kg ( Rat )                           | -                                                                | -                                    |
| Petroleum distillates, hydrotreated<br>light<br>64742-47-8 | > 5000 mg/kg ( Rat )                         | > 2000 mg/kg ( Rabbit )                                          | > 5.2 mg/L ( Rat ) 4 h               |
| Propane<br>74-98-6                                         | -                                            | -                                                                | = 658 mg/L ( Rat ) 4 h               |
| n-butane<br>106-97-8                                       | -                                            | -                                                                | = 658 g/m <sup>3</sup> ( Rat ) 4 h   |
| Piperonyl Butoxide<br>51-03-6                              | = 4570 mg/kg ( Rat ) = 6150 mg/kg<br>( Rat ) | > 7950 mg/kg ( Rat )                                             | -                                    |
| Permethrin<br>52645-53-1                                   | = 383 mg/kg ( Rat ) = 220 mg/kg ( Rat )      | > 2 g/kg ( Rabbit ) = 1750 mg/kg ( Rat )<br>> 5000 mg/kg ( Rat ) | > 0.69 mg/L ( Rat ) 4 h              |
| Tetramethrin<br>7696-12-0                                  | = 4640 mg/kg ( Rat )                         | > 2500 mg/kg ( Rat )                                             | > 2500 mg/m <sup>3</sup> ( Rat ) 3 h |

**Information on toxicological effects****Symptoms**

Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                                          |                                                                                            |
|------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | Prolonged and repeated contact with skin may cause allergic reactions in some individuals. |
| <b>Serious eye damage/eye irritation</b> | Can cause irritation after contact with the eyes.                                          |
| <b>corrosivity</b>                       | Not applicable.                                                                            |
| <b>sensitization</b>                     | No a skin sensitizer.                                                                      |
| <b>Germ Cell Mutagenicity</b>            | No information available.                                                                  |
| <b>carcinogenicity</b>                   | The table below indicates whether each agency has listed any ingredient as a carcinogen.   |

| Chemical name                 | ACGIH | IARC                | NTP | OSHA |
|-------------------------------|-------|---------------------|-----|------|
| Piperonyl Butoxide<br>51-03-6 |       | Group 3             |     |      |
| Tetramethrin<br>7696-12-0     |       | Group 2A            |     | X    |
| Permethrin<br>52645-53-1      |       | Group 2A<br>Group 3 |     | X    |

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Reproductive Toxicity</b>    | No information available. |
| <b>STOT - single exposure</b>   | No information available. |
| <b>STOT - repeated exposure</b> | No information available. |
| <b>Aspiration Hazard</b>        | Not applicable.           |

#### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

|                                  |              |
|----------------------------------|--------------|
| <b>ATEmix (inhalation-gas)</b>   | 2293333 mg/l |
| <b>ATEmix (inhalation-vapor)</b> | 658 mg/l     |

## 12. Ecological Information

This product does not contain marine pollutants.

#### ecotoxicity

This pesticide is extremely toxic to aquatic organisms including fish and aquatic invertebrates Do not apply directly to or near water. 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.

See information listed below.

| Chemical name                                              | Algae/aquatic plants | Fish                                                                                                                                                                | Toxicity to Microorganisms | Crustacea                                          |
|------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------|
| Petroleum distillates,<br>hydrotreated light<br>64742-47-8 |                      | 45: 96 h Pimephales<br>promelas mg/L LC50<br>flow-through 2.4: 96 h<br>Oncorhynchus mykiss mg/L<br>LC50 static 2.2: 96 h<br>Lepomis macrochirus mg/L<br>LC50 static |                            | 4720: 96 h Den-dronereides<br>heteropoda mg/L LC50 |

|                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|--------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Permethrin<br>52645-53-1 |  | 0.008 - 0.03: 96 h<br>Pimephales promelas mg/L<br>LC50 flow-through 0.001 -<br>0.009: 96 h Pimephales<br>promelas mg/L LC50 static<br>0.015: 96 h Cyprinus carpio<br>mg/L LC50 flow-through<br>0.0052 - 0.0077: 96 h<br>Cyprinus carpio mg/L LC50<br>0.00079: 96 h Lepomis<br>macrochirus mg/L LC50<br>flow-through 0.0108: 96 h<br>Lepomis macrochirus mg/L<br>LC50 0.00188 - 0.00336: 96<br>h Lepomis macrochirus mg/L<br>LC50 static 0.00049 -<br>0.00097: 96 h Oncorhynchus<br>mykiss mg/L LC50<br>flow-through 0.0017 -<br>0.0048: 96 h Oncorhynchus<br>mykiss mg/L LC50 static |  |  |
|--------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

| Chemical name            | Partition coefficient |
|--------------------------|-----------------------|
| Propane<br>74-98-6       | 2.3                   |
| n-butane<br>106-97-8     | 2.89                  |
| Permethrin<br>52645-53-1 | 6.5                   |

**Other adverse effects****Ozone**

No information available

This product does not contain CFCs or other ozone depleting substances. Federal regulations prohibit the use CFC propellants in aerosols.

**13. Disposal Considerations****Waste treatment methods****Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging**

Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

| Chemical name             | California Hazardous Waste Status |
|---------------------------|-----------------------------------|
| Tetramethrin<br>7696-12-0 | Toxic                             |
| Permethrin<br>52645-53-1  | Toxic                             |

**14. Transport Information****DOT**

UN/ID no

Proper Shipping Name

Hazard Class

Limited quantity (LQ) Flying Insect Killer

UN1950

Limited quantity (LQ)

2.1

**Marine pollutant**

This product does not contain marine pollutants.

**15. Regulatory information****International Inventories****TSCA**

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**DSL**

All ingredients are listed or are excluded from listing on the DSL.

**Legend:**

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

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

**US Federal Regulations****SARA 313**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372. This information must be included in all SDSs that are copied and distributed for this material.

| Chemical name                | CAS No     | weight-% | SARA 313 - Threshold Values % |
|------------------------------|------------|----------|-------------------------------|
| Piperonyl Butoxide - 51-03-6 | 51-03-6    | 0.75     | 1.0                           |
| Tetramethrin - 7696-12-0     | 7696-12-0  | .15      | 1.0                           |
| Permethrin - 52645-53-1      | 52645-53-1 | 0.15     | 1.0                           |

**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. State Right-to-Know Regulations**

| Chemical name                 | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| Propane<br>74-98-6            | X          | X             | X            |
| n-butane<br>106-97-8          | X          | X             | X            |
| Piperonyl Butoxide<br>51-03-6 | X          |               |              |

**FG 438-5102-7 CHAMPION SPRAYON FLYING INSECT KILLER FORMULA 2**

|                           |   |   |  |
|---------------------------|---|---|--|
| Tetramethrin<br>7696-12-0 | X |   |  |
| Permethrin<br>52645-53-1  | X | X |  |

**U.S. EPA Label information**

**EPA Pesticide registration number** 498-183

**EPA Statement**

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: CAUTION: Harmful if absorbed through skin or inhaled.

**16. Other information**

|                    |                         |                       |                           |                                                          |
|--------------------|-------------------------|-----------------------|---------------------------|----------------------------------------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards 1</b> | <b>Flammability 1</b> | <b>Instability 1</b>      | <b>Physical and chemical properties</b> Not applicable   |
| <b><u>HMIS</u></b> | <b>Health Hazards 1</b> | <b>Flammability 2</b> | <b>Physical Hazards 1</b> | <b>Personal Protection</b> B - Eyes and hands protection |

Prepared by Regulatory Department  
 Issue date 10-Sep-2014  
 Revision note  
 This SDS supersedes a previous MSDS dated November 19, 2010.

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**