



Safety Data Sheet

Issue date 26-Aug-2014

Version 1

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

Product Identifier

Product name CHAMPION SPRAYON INDOOR INSECT FOGGER FORMULA 3
Chemical name 7-7665

Other means of identification

Product code FG 438-5105-2
Synonyms Total release fogger insecticide
Registration number(s) 498-146

Recommended use of the chemical and restrictions on use

Recommended Use Flying and crawling insect killer.
Uses advised against See directions for use on product's label.

Details of the supplier of the safety data sheet

Supplier Address	Manufacturer Address
Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121	Chase Products Co. 2727 Gardner Road Broadview, IL 60155 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	Slightly elevated incidences of benign tumors of the thyroid and liver were seen in rats following lifetime administration of high doses of pyrethrins. Further detailed scientific studies into the mode of action responsible for these effects show that: 1) Because of biological species differences, the rat thyroid tumors are not relevant to humans. 2) The rat liver tumors occur in animals only at doses greatly exceeding human exposure levels and that cause cell proliferation (mitogenesis).
Reproductive Toxicity	Not known

Label Elements

EMERGENCY OVERVIEW

CAUTION

appearance White emulsion.

Physical State Aerosol

Odor Characteristic odor of insecticide and petroleum distillate.

Hazards not otherwise classified (HNOC)

OTHER INFORMATION

No information available

3. Composition/information on Ingredients

Common Name	Insecticide spray.
Synonyms	Total release fogger insecticide.
Chemical Family	Pesticide.
Formula	7-7665
Chemical nature	Oil-water emulsion.

Chemical name	CAS No	weight-%	Trade secret
n-butane	106-97-8	25-30	*
Propane	74-98-6	5-10	*
Solvent naphtha (petroleum), heavy aliphatic	64742-96-7	5-10	*
Petroleum distillates, hydrotreated light	64742-47-8	1-5	*
Permethrin	52645-53-1	0.4	*
Pyrethrins	8000-34-7	0.05	*

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

4. First aid measures

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 advise.
inhalation	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 advise.
INGESTION	Ingestion from an aerosol product is unlikely to occur.
<u>Most important symptoms and effects, both acute and delayed</u>	
Symptoms	Prolonged contact with skin may cause allergic reactions on some individuals. Harmful if inhaled.
<u>Indication of any immediate medical attention and special treatment needed</u>	
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. Chlorine gas and hydrogen chloride may also be formed 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 See Section 12 for additional Ecological Information.

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.

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Prevention of secondary hazards Pyrethrins and pyrethroids are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state and federal 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
n-butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	TWA: 800 ppm TWA: 1900 mg/m ³
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³

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. DO NOT remain in the area during treatment. Do not reenter area for 4 hours. Ventilate thoroughly before reentry.

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 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.	
Evaporation Rate	Faster than butyl acetate.	
flammability (solid, gas)		
Flammability Limits in Air		
Upper flammability limits		
Lower Flammability Limit		
vapor pressure		
Specific gravity	0.975 concentrate	
Water solubility		Soluble in water

OTHER INFORMATION

VOC content (%)	44.31%
density	8.12 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. Chlorine gas and hydrogen chloride may also be formed 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 >5.98 mg/L).		
Eye Contact	Primary Eye III.		
Skin contact	Acute Dermal III (LD50 >2,000 mg/kg).		
INGESTION	Acute Oral IV (LD50 >5,000 mg/kg).		

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
n-butane 106-97-8	-	-	= 658 g/m ³ (Rat) 4 h

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Propane 74-98-6	-	-	= 658 mg/L (Rat) 4 h
Solvent naphtha (petroleum), heavy aliphatic 64742-96-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Petroleum distillates, hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Permethrin 52645-53-1	= 383 mg/kg (Rat) = 220 mg/kg (Rat)	> 2 g/kg (Rabbit) = 1750 mg/kg (Rat) > 5000 mg/kg (Rat)	> 0.69 mg/L (Rat) 4 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

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

Chemical name	ACGIH	IARC	NTP	OSHA
Permethrin 52645-53-1		Group 2A Group 3		X

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard Not applicable.

Numerical measures of toxicity - Product Information

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

ATEmix (inhalation-gas) 2293333 mg/l
ATEmix (inhalation-vapor) 658 mg/l

12. Ecological Information

This product does not contain marine pollutants.

ecotoxicity

This pesticide is extremely toxic to fish. Do not contaminate water when disposing of equipment wash waters or rinsate.

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

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

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
n-butane 106-97-8	2.89
Propane 74-98-6	2.3
Permethrin 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
Permethrin 52645-53-1	Toxic

14. Transport Information

DOT

UN/ID no

Limited quantity (LQ) Indoor Insect Fogger

Proper Shipping Name

UN1950

Hazard Class

Limited quantity (LQ)

Marine pollutant

2.1

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 %
Permethrin - 52645-53-1	52645-53-1	0.4	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
n-butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X
Permethrin 52645-53-1	X	X	

U.S. EPA Label information

EPA Pesticide registration number 498-146

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: Causes moderate eye irritation. Harmful if absorbed through skin. Breathing spray mist may be harmful. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

16. Other information

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

Prepared by Regulatory Department
 Issue date 26-Aug-2014
 Revision note
 This SDS supersedes a previous MSDS dated December 12, 2012.

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