



Safety Data Sheet

Issue date 21-Aug-2014

Version 1

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

Product Identifier

Product name CHAMPION SPRAYON METERED INSECTICIDE SPRAY
Chemical name 7-7880-4

Other means of identification

Product code FG 438-5111-4
Synonyms Metered Insecticide
Registration number(s) 498-196

Recommended use of the chemical and restrictions on use

Recommended Use Flying 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.	Chase Products Co.
2727 Gardner Road	2727 Gardner Road
Broadview, IL 60155	Broadview, IL 60155
708-273-1121	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. Deliberate inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea.
Serious eye damage/eye irritation	Contact with eyes can cause irritation, burning, tearing, redness and blurred vision.
carcinogenicity	Lifetime high doses exposures to pyrethrum and piperonyl butoxide caused a high incidence of benign thyroid, parathyroid, ovary and liver tumors in mice and rats. The significance of these observations is questionable and under review. The doses at which tumors were observed for both pyrethrum and piperonyl butoxide greatly exceeded potential human exposure from labeled uses.

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Reproductive Toxicity	Not known
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Label Elements

EMERGENCY OVERVIEW

CAUTION		
appearance Clear, dark yellow, light liquid.	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	Metered Insecticide.
Chemical Family	Pesticide.
Formula	7-7880-4
Chemical nature	Solvent based insecticide.

Chemical name	CAS No	weight-%	Trade secret
1,1-Difluoroethane	75-37-6	35-40	*
Petroleum distillates, hydrotreated light	64742-47-8	25-30	*
Heptane	142-82-5	15-20	*
Piperonyl Butoxide	51-03-6	9.0	*
Diethylene Glycol Monoethyl Ether	111-90-0	1-5	*
Pyrethrins	8000-34-7	0.9	*

* 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.

Most important symptoms and effects, both acute and delayed

Symptoms 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

Vapors are heavier than air and may travel along the ground and be ignited by pilot lights, other flames, sparks, heaters, smoking or other ignition sources.

Hazardous combustion products Thermal decomposition may yield gases like carbon monoxide, carbon dioxide, hydrofluoric acid and carbonyl halides.

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.

Methods for cleaning up Clean contaminated surface thoroughly.

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 Store in a cool, dry place away from heat and open flame. Keep out of reach of children. **AEROSOL STORAGE LEVEL III (NFPA-30B).**

Incompatible Materials Avoid heat, open flame and contact with strong alkali and strong oxidizing agents.

8. Exposure Controls/Personal Protection

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Control parameters

Exposure guidelines See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Heptane 142-82-5	STEL: 500 ppm TWA: 400 ppm	TWA: 500 ppm TWA: 2000 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 2000 mg/m ³	IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m ³ 15 min TWA: 85 ppm TWA: 350 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 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 Clear, dark yellow, light liquid.	Odor	Characteristic odor of insecticide and petroleum distillate.
color	dark yellow		
Property	Values	Remarks • Method	
pH	Not applicable	Solvent-based product.	
Melting point/freezing point	Not applicable		
Boiling point/boiling range	Heptane 203 °F		
Flash Point	This product is an aerosol product for which Flame Projection is 10 inches with 0 in. flashback. Temperatures above 122 -°F (50 °C) 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	0.814 concentrate		
Water solubility	insoluble		

OTHER INFORMATION

VOC content (%)	19.80
density	6.78 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 alkali and strong oxidizing agents.

Hazardous decomposition products

Thermal decomposition may yield gases like carbon monoxide, carbon dioxide, hydrofluoric acid and carbonyl halides.

11. Toxicological Information

Information on likely routes of exposure

Product Information This product has not been tested as whole. See below for information on ingredients.

inhalation no data available.

Eye Contact no data available.

Skin contact no data available.

INGESTION no data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Heptane 142-82-5	-	= 3000 mg/kg (Rabbit)	= 103 g/m ³ (Rat) 4 h
Piperonyl Butoxide 51-03-6	= 4570 mg/kg (Rat) = 6150 mg/kg (Rat)	> 7950 mg/kg (Rat)	-
Diethylene Glycol Monoethyl Ether 111-90-0	= 1920 mg/kg (Rat)	= 6 mL/kg (Rat) = 4200 µL/kg (Rabbit)	> 5240 mg/m ³ (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 No a skin sensitizer.
Germ Cell Mutagenicity No information available.
carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Chemical name	ACGIH	IARC	NTP	OSHA
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Piperonyl Butoxide 51-03-6		Group 3		
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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

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 Den-dronereides heteropoda mg/L LC50
Heptane 142-82-5		375.0: 96 h Cichlid fish mg/L LC50		10: 24 h Daphnia magna mg/L EC50
Diethylene Glycol Monoethyl Ether 111-90-0		10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through		3940 - 4670: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Heptane 142-82-5	4.66
Diethylene Glycol Monoethyl Ether 111-90-0	-0.8

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.

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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
Heptane 142-82-5	Toxic Ignitable

14. Transport Information

DOT

UN/ID no

Limited quantity (LQ) Metered insecticide spray

UN1950

Proper Shipping Name

Limited quantity (LQ)

Hazard Class

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/NDSL - 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	9.0	1.0
Diethylene Glycol Monoethyl Ether - 111-90-0	111-90-0	1-5	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard

yes

Chronic Health Hazard

yes

Fire Hazard

yes

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)

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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
1,1-Difluoroethane 75-37-6	X	X	
Heptane 142-82-5	X	X	X
Piperonyl Butoxide 51-03-6	X		
Diethylene Glycol Monoethyl Ether 111-90-0	X		X

U.S. EPA Label information

EPA Pesticide registration number 498-196

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 inhaled. Avoid breathing spray mist.

16. Other information

<u>NFPA</u>	Health Hazards 2	Flammability 4	Instability 1	Physical and chemical properties Not applicable Personal Protection B - Eyes and hands protection
<u>HMIS</u>	Health Hazards 2	Flammability 4	Physical Hazards 1	

Prepared by Regulatory Department
Issue date 21-Aug-2014

Revision note

This SDS supersedes a previous MSDS dated February 20, 2013.

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