



Issue date 27-Sep-2017

# Safety Data Sheet

Version 2

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

### Product Identifier

**Product name** SPRAYPAK FLYING & CRAWLING INSECT KILLER  
**Chemical name** 7-7956-4

### Other means of identification

**Product code** FG 433-4106-9  
**Synonyms** Multi-purpose insecticide  
**Registration number(s)** 498-174

### 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

<b>Supplier Address</b>	<b>Manufacturer Address</b>
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 - Inhalation (Gases)	Category 4
Skin sensitization	Category 1
Carcinogenicity	Category 1B
FLAMMABLE AEROSOLS	Category 2
Gases Under Pressure	liquefied gas

### Label Elements

#### EMERGENCY OVERVIEW

#### DANGER

#### hazard statements

HARMFUL IF INHALED  
May cause an allergic skin reaction  
May cause cancer  
Flammable Aerosol  
Contains gas under pressure; may explode if heated

**FG 433-4106-9 SPRAYPAK FLYING & CRAWLING INSECT KILLER**



**Appearance** Off-white emulsion

**Physical State** Aerosol

**Odor** Cedarwood

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wear protective gloves, protective clothing, eye protection and face protection.  
 Avoid breathing fumes, mist, vapors or spray.  
 Use only outdoors or in a well-ventilated area  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves  
 Keep away from heat, sparks, open flames and hot surfaces. — No smoking  
 Pressurized container: Do not pierce or burn, even after use  
 Do not spray on an open flame or other ignition source

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment: See additional cautionary statements on this label.  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor if you feel unwell

**Precautionary Statements - Storage**

Store locked up  
 Protect from sunlight. Store in a well-ventilated place  
 Do not expose to temperatures exceeding 122 °F (50 °C)

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

- Very toxic to aquatic life with long lasting effects
  - Very toxic to aquatic life
- 0% of this mixture consist of ingredient(s) of unknown toxicity.

**3. Composition/information on Ingredients**

**Common Name** Insecticide spray.  
**Synonyms** Multi-purpose insecticide.  
**Chemical Family** Pesticide.  
**Formula** 7-7956-4  
**Chemical nature** Oil-water emulsion.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	70-75	*
n-butane	106-97-8	10-15	*
Petroleum distillates, hydrotreated light	64742-47-8	5-10	*
Propane	74-98-6	1-5	*
Piperonyl Butoxide	51-03-6	1.00	*

## FG 433-4106-9 SPRAYPAK FLYING & CRAWLING INSECT KILLER

Permethrin	52645-53-1	0.4	*
Pyrethrins	8003-34-7	0.2	*

\* 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 advise.
<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 advise.
<b>Ingestion</b>	Ingestion from an aerosol product is unlikely to occur.

#### 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.
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#### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Contains petroleum distillates, do not induce vomiting because of aspiration pneumonia hazard.
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### 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 carbon monoxide, carbon dioxide and various other hydrocarbons.

#### 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.

**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 <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	: See Appendix F: Minimal Oxygen Content	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Pyrethrins 8003-34-7	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	IDLH: 5000 mg/m <sup>3</sup> TWA: 5 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. After spraying, leave the room and keep area closed for 15 minutes. Thoroughly ventilate room before reentry. Sweep up and discard fallen insects.

**General hygiene considerations** Wash hands thoroughly after handling. Read and follow the USER SAFETY RECOMMENDATIONS on the product label.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Cedarwood
<b>Appearance</b>	Off-white emulsion	<b>Odor threshold</b>	No information available
<b>Color</b>	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not applicable	Water-oil emulsion.
<b>Melting point/freezing point</b>	Not applicable	No information available
<b>Boiling point/boiling range</b>	Water 212 °F/100 °C	No information available
<b>Flash Point</b>	Not Available. This is an aerosol product for which Flame Projection is 0 inches. Temperatures above 120 °F may cause cans to burst.	No information available
<b>Evaporation Rate</b>	Faster than butyl acetate.	No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		No information available
<b>Upper flammability limits</b>		
<b>Lower Flammability Limit</b>		
<b>Vapor pressure</b>		No information available
<b>Vapor Density</b>		No information available
<b>Relative Density</b>	0.945 - 0.952 concentrate	No information available
<b>Water solubility</b>		Soluble in water
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition Temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content (%)</b>	14.53%
<b>Density</b>	7.87 - 7.93 lb/gal
<b>Bulk Density</b>	No information available

**10. Stability and Reactivity**

<b>Reactivity</b>	Not applicable
Not applicable	Not applicable

**Chemical stability**  
Stable.

**Possibility of hazardous reactions**  
Temperatures above 130 °F may cause cans to burst with force.

**hazardous polymerization**      Hazardous polymerization does not occur.

**Conditions to Avoid**  
Temperatures above 122 °F (50 °C).

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

**FG 433-4106-9 SPRAYPAK FLYING & CRAWLING INSECT KILLER**

**Hazardous decomposition products**

Thermal decomposition may yield gases like carbon monoxide, carbon dioxide and various other hydrocarbons.

**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.

<b>Inhalation</b>	Acute Inhalation III.
<b>Eye Contact</b>	Primary Eye IV.
<b>Skin contact</b>	Acute Dermal IV.
<b>Ingestion</b>	Acute Oral IV.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
n-butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( 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
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h
Piperonyl Butoxide 51-03-6	= 6150 mg/kg ( Rat ) = 4570 mg/kg ( Rat )	> 7950 mg/kg ( Rat )	-
Permethrin 52645-53-1	= 220 mg/kg ( Rat ) = 383 mg/kg ( Rat )	> 2 g/kg ( Rabbit ) > 5000 mg/kg ( Rat ) = 1750 mg/kg ( Rat )	> 0.69 mg/L ( Rat ) 4 h
Pyrethrins 8003-34-7	= 200 mg/kg ( Rat )	= 300 mg/kg ( Rabbit ) = 1350 mg/kg ( Rat )	= 3.4 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** No a skin sensitizer.  
**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
Piperonyl Butoxide 51-03-6		Group 3		
Permethrin 52645-53-1		Group 2A Group 3		X
Pyrethrins 8003-34-7		Group 2A		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**

**Unknown acute toxicity** 0% of this mixture consist of ingredient(s) of unknown toxicity.

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**

**ecotoxicity**

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

16.1% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Petroleum distillates, hydrotreated light 64742-47-8		2.2: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static		4720: 96 h Den-dronereides heteropoda mg/L LC50
Permethrin 52645-53-1		0.0052 - 0.0077: 96 h Cyprinus carpio 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 0.008 - 0.03: 96 h Pimephales promelas mg/L LC50 flow-through 0.015: 96 h Cyprinus carpio mg/L LC50 flow-through 0.0017 - 0.0048: 96 h Oncorhynchus mykiss mg/L LC50 static 0.00079: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.0108: 96 h Lepomis macrochirus mg/L LC50 0.001 - 0.009: 96 h Pimephales promelas mg/L LC50 static		
Pyrethrins 8003-34-7		0.003 - 0.0046: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.054: 96 h Oncorhynchus mykiss mg/L LC50 0.0031 - 0.0038: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.0322 - 0.0472: 96 h Lepomis macrochirus mg/L LC50 static 0.0425 - 0.121: 96 h Pimephales promelas mg/L LC50 flow-through 0.074: 96 h Lepomis macrochirus mg/L LC50 0.224 - 0.458: 96 h Pimephales promelas mg/L LC50 static 0.02 - 0.03: 96 h Oncorhynchus mykiss mg/L LC50 static		

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**FG 433-4106-9 SPRAYPAK FLYING & CRAWLING INSECT KILLER**

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** No information available

**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
Piperonyl Butoxide 51-03-6	Toxic
Permethrin 52645-53-1	Toxic
Pyrethrins 8003-34-7	Toxic

**14. Transport Information**

**DOT**

**UN/ID no** Limited Quantity  
**Proper Shipping Name** Consumer Commodity  
**Hazard Class** ORM-D

**IATA**

**UN/ID no** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1

**IMDG**

**UN/ID no** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1  
**Marine pollutant** Not applicable

**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:**



**FG 433-4106-9 SPRAYPAK FLYING & CRAWLING INSECT KILLER**

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 (above the de minimis level) 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	1.00	1.0
Permethrin - 52645-53-1	52645-53-1	0.4	1.0

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Pyrethrins 8003-34-7	1 lb			

**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

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Pyrethrins 8003-34-7	1 lb		RQ 1 lb final RQ RQ 0.454 kg final RQ

**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
Water 7732-18-5			X
n-butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X
Piperonyl Butoxide 51-03-6	X		
Permethrin 52645-53-1	X	X	
Pyrethrins 8003-34-7	X	X	X

**U.S. EPA Label information**

EPA Pesticide registration number 498-174

**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: HAZARDS TO HUMANS: Harmful if inhaled. Avoid breathing vapor or spray mist. Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. HAZARDS TO DOMESTIC ANIMALS: **For use on dogs and puppies (over 12 weeks old). Do not use on puppies less than 12 weeks old. Read entire label before each use. DO NOT USE ON CATS.**

<b>16. Other information</b>				
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<u>NFPA</u>	Health Hazards 1	Flammability 1	Instability 1	<b>Physical and chemical properties</b> Not applicable
<u>HMIS</u>	Health Hazards 1	Flammability 2	Physical hazards 1	<b>Personal Protection</b> B - Eyes and hands protection

Prepared by Regulatory Department  
 Issue date 27-Sep-2017

**Revision note**

This SDS supersedes a previous SDS dated April 27, 2016.

**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**