

# SAFEGUARD 7727 707 CRAWLING INSECT KILLER

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	SAFEGUARD 7727 707 CRAWLING INSECT KILLER
Product Code	10-500791
EPA Identification Number(s)	EPA Reg. No. 8848-63 EPA Est. No. 34631-PA-001 EPA Est. No. 5693-MA-1

#### Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Pesticidal spray
Uses Advised Against	It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### Emergency telephone number

Emergency Phone No.	<b>Transportation Emergency:</b> CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Compressed dissolved gas; Asp. Tox. 1; STOT SE 3; Skin Irrit. 2
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#### Label elements

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 hazard information required on the pesticide label is reproduced in section 15 of this SDS.

Hazard Symbol



Signal word(s)

**WARNING**

Hazard Statement(s)

Contains gas under pressure; may explode if heated.  
Causes skin irritation.  
May cause drowsiness or dizziness.

Precautionary Statement(s)

Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash hands and exposed skin after use.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.  
Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

#### Other hazards

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Distillates (petroleum), hydrotreated light	80 - 85	64742-47-8	Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Flam. Liq. 4; H227 Aquatic Acute 2; H401 Aquatic Chronic 2; H411
Naphtha (petroleum) hydrotreated heavy	< 1	64742-48-9	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Acute 2; H401 Aquatic Chronic 2; H411
Piperonyl Butoxide	0.5	51-03-6	Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Permethrin	0.25	52645-53-1	Acute Tox. 4; H332, H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Tetramethrin	0.1	7696-12-0	Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Carbon dioxide	1 - 5	124-38-9	Compressed dissolved gas

Additional Information - None

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

#### Inhalation

Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.

#### Skin Contact

Wash affected skin with soap and water. If symptoms develop, obtain medical attention. Take off contaminated clothing and wash it before reuse.

#### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

#### Ingestion

Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

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

Aspiration of droplets may cause pulmonary oedema.

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.

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-Unsuitable Extinguishing Media

Do not use water jet.

**Special hazards arising from the substance or mixture**

None anticipated.

**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Wear protective gloves/eye protection/face protection. Avoid breathing spray. Avoid contact with skin.

**Environmental precautions**

Prevent liquid entering sewers, basements and work pits.

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

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

**Reference to other sections**

None

**Additional Information**

None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid breathing spray. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

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

-Storage temperature

Keep in a cool, well ventilated place. Protect from sunlight. Store at temperatures not exceeding 50 °C / 122 °F.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals. Strong Acids and Alkalis.

**Specific end use(s)**

Pesticidal spray

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Mineral oils / Oil Mist	-----	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> <sup>(1)</sup>	-----	-----	<sup>(1)</sup> Inhalable
C <sub>9</sub> -C <sub>15</sub> Alkanes & Cycloalkanes	Mixture	-----	1200 mg/m <sup>3</sup>	-----	-----	-----
Carbon dioxide	124-38-9	5,000 ppm	5,000 ppm	-----	30,000 ppm	#

<sup>#</sup>Assure minimum oxygen content of work atmosphere.

**Recommended monitoring method**

NIOSH 6603 (Carbon dioxide); NIOSH 1550 (Naphthas); NIOSH 5026 (Oil mist; mineral)

**Exposure controls**

**Appropriate engineering controls**

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

**Personal protection equipment**

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Eye/face protection



Not normally required. Do not get in eyes.

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Aerosol spray
Color.	Clear colorless
Odor	Petroleum spirit
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	> 200 (> 392 °F)
Flash Point (°C)	60 - 93 (140 - 199 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	< 20.5 @ 40 °C
Explosive properties	Not available
Oxidizing properties	Not available
<b>Other information</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Avoid contact with heat and ignition sources.
<b>Incompatible materials</b>	Strong oxidizing agents. Strong Acids and Alkalis.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Acrid smoke

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

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## Substances in preparations / mixtures

Distillates (petroleum), hydrotreated light (CAS No. 64742-47-8) - By analogy with similar materials:

<b>Acute toxicity</b> (calculated / estimated)	Oral: LD50 >5000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw Inhalation: LC0 ≥5.28 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.
<b>Irritation/Corrosivity</b>	Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
<b>Sensitization</b>	It is not a skin sensitizer.
<b>Repeated dose toxicity</b>	Oral: NOEAL 750 mg/kg Dermal: NOEAL 0.5 ml/kg bw Inhalation: NOAEL ≥1000 mg/m3
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	Not to be expected
<b>Reproductive toxicity</b>	Not to be expected

Naphtha (petroleum) hydrotreated heavy (CAS# 64742-48-9) - By analogy with similar materials:

<b>Acute toxicity</b>	Oral: LD50 > 5000 mg/kg (rat) Dermal: LD50 >2000 mg/kg(rabbit) May cause respiratory irritation.
<b>Irritation / Corrosivity</b>	Causes skin irritation.
<b>Sensitization</b>	It is not a skin sensitizer.
<b>Repeated dose toxicity</b>	None anticipated
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

<b>Mutagenicity</b>	None anticipated
<b>Reproductive toxicity</b>	None anticipated

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Naphtha (petroleum) hydrotreated heavy (CAS# 64742-48-9) - By analogy with similar materials:

Short term	LL50 (96 hour) = 8.2 mg/l ( <i>Pimephales promelas</i> ) EL50 (48 hour) = 4.5 mg/l ( <i>Daphnia magna</i> )
Long Term	NOELR (21 days) = 2.6 mg/l ( <i>Daphnia magna</i> ) NOELR (72 hour) = 0.5 mg/L ( <i>Pseudokirchnerella subcapitata</i> )

Distillates (petroleum), hydrotreated light (CAS No. 64742-47-8) - By analogy with similar materials:

Short term	LC50 (96 hour): 2.5 mg/L (fish) EC50 (48 hour): 1.4 mg/L (crustacea) EC50 (72 hour): 1.3 mg/L (algae)
Long Term	NOEC (28 days): 0.098 mg/L (fish) LOEC (21 days): 1.2 mg/L (crustacea) LOEL (72 hour): 1 mg/L (algae)

<b>Persistence and degradability</b>	Biodegradable
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not available.

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**Other adverse effects**

None known.

**Other information**

Contains: Permethrin (CAS No. 52645-53-1) and Tetramethrin (CAS No. 7696-12-0, 0.1%); Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**SECTION 14: TRANSPORT INFORMATION**

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>	1950	1950	1950
<b>Proper Shipping Name</b>	Aerosols, non-flammable	Aerosols, non-flammable	Aerosols, non-flammable
<b>Transport hazard class(es)</b>	2.2	2.2	2.2
<b>Packing group</b>	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	None assigned	None assigned	None assigned
<b>Special precautions for user</b>	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

**SECTION 15: REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture:****TSCA (Toxic Substance Control Act)** - Inventory Status: All components listed or exempt.**EPA FIFRA Information for SDS Section 15 (Regulatory Information):**

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 hazard information required on the pesticide label is reproduced below:**PRECAUTIONARY STATEMENTS  
Hazards to Humans & Domestic Animals****CAUTION:** Causes moderate eye irritation. Avoid contact with eyes and clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.**Environmental Hazards**

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water.

**Physical or Chemical Hazards**

Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130 degrees F may cause bursting.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

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## SARA 311/312 - Hazard Categories:

Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

## SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

## SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

## California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: August 28, 2016

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

### Hazard Statement(s)

- H226: Flammable liquid and vapour.
- H227: Combustible liquid.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.
- H401: Toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.

Training advice: None.

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