

# SAFEGUARD 625 BLACK JACK INDOOR FOGGER

## 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 625 BLACK JACK INDOOR FOGGER
Product Code	10-500727
EPA Identification Number(s)	EPA Reg. No. 8848-65 EPA Est. No. 34631-PA-001

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

Identified Use(s)	Indoor 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)	Flam. Aerosol 2; Liquefied gas; 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)

Flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Causes skin irritation.

Precautionary Statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.  
Avoid contact with skin and eyes.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves.  
Harmful to aquatic life. Harmful 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
Propane	10 - 20	74-98-6	Flam. Gas 1; H220 Liquefied gas; H280
n-Butane	10 - 20	106-97-8	Flam. Gas 1; H220 Liquefied gas; H280
Naphtha (petroleum) hydrotreated heavy	5 - 10	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
Distillates (petroleum), hydrotreated light	< 1	64742-47-8	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Piperonyl Butoxide	1.0	51-03-6	Aquatic Acute 1; H400 Aquatic Chronic 1; H410
m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	0.20	52645-53-1	Acute Tox. 4; H332, H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Tetramethrin	0.20	7696-12-0	Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Sodium benzoate	< 1	532-32-1	Eye Irrit. 2a; H319
Water	> 50	7732-18-5	Not classified as dangerous for supply/use.

**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

Not normally required. Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Wash affected skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing 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

Not normally required. Get medical advice/attention if you feel unwell.

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

Causes skin irritation.

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

None

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## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.  
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. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. 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)

Indoor 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)	
C <sub>9</sub> -C <sub>15</sub> Alkanes & Cycloalkanes	Mixture	-----	1200 mg/m <sup>3</sup>	-----	-----	-----
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	#
n-Butane	106-97-8	-----	250 ppm	-----	-----	-----

\*Assure minimum oxygen content of work atmosphere.

### Recommended monitoring method

NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C), NIOSH 1550 (Naphthas)

### Exposure controls

#### Appropriate engineering controls

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

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## Personal protection equipment

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.

Thermal hazards

Not normally required.

**Environmental Exposure Controls**

None known

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Aerosol spray
Color.	Not available
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	-104 (Propane)
Evaporation Rate	Not available
Flammability (solid, gas)	Flammable aerosol
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal)	ca. $95 \times 10^4$ (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0 °C (Propane)
Density (g/ml)	2.1% - 9.5% v/v (Propane)
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)	Not available
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

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## SECTION 11: TOXICOLOGICAL INFORMATION

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

**Substances in preparations / mixtures**

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.

**Mutagenicity** None anticipated

**Reproductive toxicity** None anticipated

Propane (CAS# 74-98-6):

<b>Acute toxicity</b>	Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)
<b>Irritation/Corrosivity</b>	No evidence of irritant effects from normal handling and use.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	NOAEC: ≥19678 mg/m3 (28-day, rat, Systemic effects) LOAEC: 21641 mg/m3 (28-day, rat, effects: Body weight)
<b>Carcinogenicity</b>	No data. It is unlikely to present a carcinogenic hazard to man.

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

**Mutagenicity** There is no evidence of mutagenic potential.

**Reproductive toxicity** None anticipated

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

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

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

Propane (CAS# 74-98-6):

<b>Short term (estimate)</b>	LC50 (96 hour): 27.98 mg/L (fish) LC50 (48 hour): 14.22 mg/L (crustacea) EC50 (96 hour): 7.71 mg/L (algae)
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**Long Term Toxicity** No data.

Piperonyl butoxide (CAS No. 51-03-6)

<b>Acute toxicity</b>	LC50 (96 hour): 7.07 mg/L (fish) LC50 (24 hour): 0.9-1.9 mg/L (crustacea) EC50 (72 hour): 1.69 mg/L (algae)
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**Long Term Toxicity** No data.

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

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<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	Not available.
<b>Other information</b>	Contains: m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (CAS No. 52645-53-1, 0.2%); Tetramethrin (CAS No. 7696-12-0, 0.2%); Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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## 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, flammable	Aerosols, flammable	Aerosols, flammable
<b>Transport hazard class(es)</b>	2.1	2.1	2.1
<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:** Harmful if inhaled or absorbed through skin. Avoid contact with skin or clothing and avoid breathing vapors or spray mist; breathing spray mist may be harmful, Thoroughly wash 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.

### Physical or Chemical Hazards Highly Flammable Ingredient - Ingrediente Altamente Inflamable

**Flammable.** Contents under pressure. Do not store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on this label very carefully.

### DIRECTIONS FOR USE

It is a violation for Federal law to use this product in a manner inconsistent with its labeling.

### Product Precautions and Restrictions

Only for Residential Use

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Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift. Wait at least 2 hours after application, then open windows, vents and doors for 2 more hours. If an odor is still detected additional ventilation is required. Do not use in greenhouses where plants are grown for food.

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

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

## 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 22, 2016

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

### Hazard Statement(s)

- H220: Extremely flammable gas.
- H226: Flammable liquid and vapour.
- H227: Combustible liquid.
- H280: Contains gas under pressure; may explode if heated.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye 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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