

SAFEGUARD 6231 BLACK JACK CRAWLING INSECT

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 6231 BLACK JACK CRAWLING INSECT
Product code	10-501229, 10-501230,10-501231,10-501232
EPA Identification Number(s)	EPA Reg. No. 1021-1855-8848 EPA Est. No. 34631-PA-001 EPA EST. No. 5893-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.	Transportation Emergency: 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
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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



WARNING

Signal Word(s)

Hazard Statement(s)

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

Precautionary Statement(s)

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.
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Avoid contact with skin and eyes.

Other hazards

Contains: Cypermethrin (CAS No. 2634-33-5, 0.03%); Pyrethrins (CAS No. 8003-34-7, 0.011%); Prallethrin (CAS No. 23031-36-9, 0.011%); - May produce an allergic reaction in persons already sensitized.

SAFEGUARD 6231 BLACK JACK CRAWLING INSECT

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Propane	1 - 5	74-98-6	Flam. Gas 1; H220 Liquefied gas; H280
n-Butane	1 - 5	106-97-8	Flam. Gas 1; H220 Liquefied gas; H280
Distillates (petroleum), hydrotreated light	1 - 5	64742-47-8	Flam. Liq. 3; H227 Skin Irrit. 2; H315 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 3; H412
Sodium benzoate	0.2	532-32-1	Eye Irrit. 2a; H319
Cypermethrin**	0.030	52315-07-8	Acute Tox. 4; H302 Acute Tox. 3; H331 Eye Irrit. 2b; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Asp. Tox. 1; H304
Pyrethrins**	0.011	8003-34-7	
Prallethrin**	0.011	23031-36-9	
Water	> 80	7732-18-5	Not classified as dangerous for supply/use.

Additional Information - ** May produce an allergic reaction in persons already sensitized.

* 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 laboured, 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

Do not give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed

Contains: Cypermethrin (CAS No. 2634-33-5, 0.03%); Pyrethrins (CAS No. 8003-34-7, 0.011%); Prallethrin (CAS No. 23031-36-9, 0.011%); - May produce an allergic reaction in persons already sensitized.

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
- Unsuitable extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Do not use water jet.

SAFEGUARD 6231 BLACK JACK CRAWLING INSECT

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

Eliminate all ignition sources if safe to do so. Wear protective gloves/eye protection/face protection.

Environmental precautions

Prevent liquid entering sewers, basements and workpits.

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

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Ground/bond container and receiving equipment.

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 oxidising 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)	
C ₉ -C ₁₅ Alkanes & Cycloalkanes	Mixture	-----	1200 mg/m ³	-----	-----	-----
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.

Personal protection equipment

Eye/face protection

Not normally required. Do not get in eyes.



SAFEGUARD 6231 BLACK JACK CRAWLING INSECT

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. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

Prevent release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Aerosol spray
Colour.	Not available
Odour	Not available
Odour 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)
Vapour pressure (Pascal)	ca. 95×10^4 (Propane)
Vapour 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
Oxidising properties	Not available
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures

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

SAFEGUARD 6231 BLACK JACK CRAWLING INSECT

Acute toxicity (calculated / estimated)

Oral: LD50 >5000 mg/kg-bw
 Dermal: LD50 >2000 mg/kg-bw
 Inhalation: LC0 ≥5.28 mg/l (Vapour), 4-hr. rat - May cause drowsiness or dizziness.

Irritation/Corrosivity

Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitisation

It is not a skin sensitiser.

Repeated dose toxicity

Oral: NOEAL 750 mg/kg
 Dermal: NOEAL 0.5 ml/kg bw
 Inhalation: NOAEL ≥1000 mg/m3

Carcinogenicity

It is unlikely to present a carcinogenic hazard to man.

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

Mutagenicity

Not to be expected

Reproductive toxicity

Not to be expected

Propane (CAS# 74-98-6):

Acute toxicity

Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)

Irritation/Corrosivity

No evidence of irritant effects from normal handling and use.

Sensitisation

It is not a skin sensitiser.

Repeated dose toxicity

NOAEC: ≥19678 mg/m3 (28-day, rat, Systemic effects)
 LOAEC: 21641 mg/m3 (28-day, rat, effects: Body weight)

Carcinogenicity

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

Other information

Contains: Cypermethrin (CAS No. 2634-33-5, 0.03%);
 Pyrethrins (CAS No. 8003-34-7, 0.011%); Prallethrin (CAS No. 23031-36-9, 0.011%); - May produce an allergic reaction in persons already sensitized.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Propane (CAS# 74-98-6):

Short term (estimate)

LC50 (96 hour): 27.98 mg/L (fish)
 LC50 (48 hour): 14.22 mg/L (crustacea)
 EC50 (96 hour): 7.71 mg/L (algae)

Long Term Toxicity

No data.

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)

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Not available.

Results of PBT and VPVB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

SAFEGUARD 6231 BLACK JACK CRAWLING INSECT

Other information

Contains: Contains: Cypermethrin (CAS No. 2634-33-5, 0.03%); Pyrethrins (CAS No. 8003-34-7, 0.011%); Prallethrin (CAS No. 23031-36-9, 0.011%); - Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

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>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	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 polymer 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 swallowed or absorbed through skin. Avoid contact with skin eyes or clothing. Wash 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. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Physical or Chemical Hazards

Contents under pressure Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F [(54°C)] may cause bursting.

Directions for Use

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

Shake Well Before Use

For Indoor Use:

Use restrictions:

*Do Not apply this product in a way that will contact a person or pet either directly or through drift. Keep people and pets out of the area during application. Exit area immediately and remain outside the treated areas until sprays have dried.

*Do not use water based sprays in conduits, motor housing, junction boxes switch boxes, or other electrical equipment because of possible shock.

*During any indoor surface application, do not allow dripping or runoff to occur. During any application to ceilings of a structure, cover

SAFEGUARD 6231 BLACK JACK CRAWLING INSECT

surface below with plastic shielding or similar material.

*Do not use a a space spray.

*Use only in a well ventilated areas.

*Do not use in greenhouses where plants are grown for food.

*Do not apply this product in any room being used as a living, eating, or recovery area by patients, the elderly, or the infirm when they are in the room.

*Do not apply to pets. Remove birds and other pets before application. Cover any water inhabited by fish (such as aquariums and ornamental fish ponds) during treatment, and turn aquarium off.

*Do not apply directly into sewers or drains, or any area like a gutter where drainage to storm sewers, water bodies, or aquaic habitat an occur. Do not allow the product to enter any drain during or after application.

Storage and Disposal

Do not contaminate water, food or feed by storage and disposal.

Pesticide storage: Store in cool dry area. Always store pesticides in the original container, Store away from food and pet food.

Pesticide Disposal and Container handling: Do not puncture or incinerate! Nonrefillable container. Do not reuse or refill this container. **If empty:** Place intrash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

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: September 4, 2016

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

Hazard Statement(s)

- H220: Extremely flammable gas.
- 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.
- H331: Toxic if inhaled.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

SAFEGUARD 6231 BLACK JACK CRAWLING INSECT

- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

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