



MATERIAL SAFETY DATA SHEET

Organic Bed Bug Killer

Last Updated November 11, 2010

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Safeguard® Organic Bedbug Killer & Repellent**

CAS Number: Mixture Product Description: Safeguard® Organic Bedbug Killer & Repellent is non-toxic, safe to use application to eliminate insects. Synonyms: None

Company Identification: **Safeguard Chemical Corporation**
411 Wales Avenue
Bronx, New York 10454 USA
1-718-585-3170 (For product information)

www.safeguardchemical.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TWA</u>
Water	>60%	7732-18-5	Not Listed	Not Listed
Sodium lauryl sulfate	<5%	151-21-3	Not Listed	Not Listed
Lemongrass oil	<3%	8007-02-1	Not Listed	Not Listed
Sodium chloride	<1.5%	7647-14-5	Not Listed	Not Listed
Potassium sorbate	<0.3%	590-00-1	Not Listed	Not Listed

NOTE: Balance of other components that are present are non-hazardous or hazardous in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)

California Prop 65: This product does not contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

HAZARDS DISCLOSURE: This product does not contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 except as listed above. As defined under Sara 311 and 312, this product contains known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

SAFEGUARD® ORGANIC BEDBUG KILLER & REPELLENT IS A NON-TOXIC, SAFE TO USE APPLICATION TO ELIMINATE INSECTS WITH NO KNOWN HEALTH EFFECTS WHEN USED AS DIRECTED.

HMIS/NFPA Rating: See Section 16

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: Skin, Eyes, Inhalation, Ingestion.

TARGET ORGANS: None known



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INHALATION: Inhalation of vapor/mist is not expected to cause irritation.

INGESTION: Ingestion of this product may cause mild gastrointestinal irritation.

SKIN CONTACT: Contact with this product is not expected to cause irritation.

EYE CONTACT: Eye contact may cause slight irritation.

CHRONIC EXPOSURE: None known

AGGRAVATION OF PRE-EXISTING CONDITIONS: None known

4. FIRST AID MEASURES

INHALATION FIRST AID: Not expected to be a hazard as a result of using this product.

SKIN CONTACT FIRST AID: Wash with soap and water after use.

EYE CONTACT FIRST AID: If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes lifting upper and lower eyelids occasionally. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION FIRST AID: Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION OR CALL POISON CONTROL IMMEDIATELY.

NOTE TO PHYSICIANS: Treat symptomatically and supportively

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Non-Flammable

AUTO IGNITION TEMPERATURE: Not Applicable

FLASH POINT: Not Applicable

FLAMMABLE LIMITS IN AIR, % by Volume: lel: NA; uel: NA

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire conditions.

FIRE & EXPLOSION HAZARDS: None.

SPECIAL INFORMATION:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES: Absorb with an inert material, pickup and put the spilled material in an appropriate waste disposal container.



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7. HANDLING AND STORAGE

RECOMMENDED STORAGE and HANDLING CONDITIONS: Protect against physical damage. Store in a cool, dry location.

HANDLING (PERSONNEL): Handle in accordance with good hygiene and safety practices. Avoid contact with eyes. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

See section 2

VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep exposures below the Airborne Exposure Limits.

RESPIRATORY PROTECTION: Not required for this product. For known vapor concentrations above the occupational exposure guidelines (see below), use a NIOSH-approved organic vapor respirator if adequate protection is provided. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).

SKIN PROTECTION: Not normally required with this product. Use appropriate protection to prevent skin contact.

EYE PROTECTION: Use safety glasses where splashing is possible.

GOOD HYGIENE CONDITIONS: Use good hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Odorless

SOLUBILITY IN WATER: Soluble

MELTING POINT: NA

AUTO IGNITION TEMPERATURE: NA

pH: NE

BOILING POINT: 212°F

SPECIFIC GRAVITY: 1 (Water =1)

EVAPORATION RATE (BuAc=1): NE

FLASH POINT: NA

VAPOR PRESSURE: NA

10. STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: None known

HAZARDOUS POLYMERIZATION: Will not occur



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INCOMPATIBILITY WITH OTHER MATERIALS: None

HAZARDOUS DECOMPOSITION: None

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Ingredients:
No Data available

Carcinogenic effects: Not available.
Mutagenic effects: Not available.
Teratogenic effects: Not available.

Cancer Lists	---NTP Carcinogen---		IARC Category
<u>Ingredient</u>	<u>Known</u>	<u>Anticipated</u>	
All ingredients	No	No	None

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:
No Data available

ENVIRONMENTAL TOXICITY:
This material is not toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:
Recover, reclaim or recycle when practical.
Dispose of material in accordance with federal, state and local requirements.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.), International (Water, I.M.O.), International (Air, I.C.A.O.)
PRODUCT LABEL: Safeguard® Organic Bedbug Killer & Repellent
NON-REGULATED MATERIAL



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15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

Chemical Inventory Status - Part 1

Ingredient	<u>TSCA</u>	<u>EC</u>	<u>Japan</u>	<u>Australia</u>
All Ingredients	YES	YES	YES	YES

Chemical Inventory Status - Part 2

Ingredient	<u>Korea</u>	<u>DSL</u>	<u>CANADA</u>	<u>Phil.</u>
All Ingredients	YES	YES	<u>NDSL</u>	YES
			NO	

Federal, State & International Regulations - Part 1

	<u>-SARA 302-</u>		<u>-SARA 313-</u>
Ingredient	<u>RQ</u>	<u>TPO</u>	<u>Chemical Catalog</u>
All Ingredients	NO	NO	NO
			<u>List</u>
			NO

Federal, State & International Regulations - Part 2

	<u>CERCLA</u>	<u>-RCRA-</u>	<u>-TSCA-</u>
Ingredient		<u>261.33</u>	<u>8(d)</u>
All Ingredients	NO	NO	NO

Chemical Weapons Convention: No **TSCA 12(b):** No **CDTA:** No

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No
 Reactivity: Yes (Pure / Liquid)

STATE REGULATIONS:

Found on the following state right to know lists:

None

PROP 65 - WARNING:

THIS PRODUCT DOES NOT CONTAIN A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

CANADA:

All Ingredients are listed on Canada's DSL List.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS Classification: Not Classified

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL).



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16. OTHER INFORMATION

Label Requirements:

SAFEGUARD® ORGANIC BEDBUG KILLER & REPELLENT IS A NON-TOXIC, SAFE TO USE APPLICATION TO ELIMINATE INSECTS WITH NO KNOWN HEALTH EFFECTS WHEN USED AS DIRECTED.

Hazardous Material Information System (HMIS):	Health	0
	Flammability	0
	Reactivity	0
	Personal Protection	

National Fire Protection Association (NFPA) 0-Health, 0-Flammability, 0-Reactivity

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Protective Equipment:

Prepared By: Paul Eigbrett (MSDS Authoring safeguarServices)

Part Number: --

Approval Date: November 11, 2010

Supersedes Date: New

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004)

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Safeguard Chemical Corp. The data on this sheet are related only to the specific material designated herein. Safeguard Chemical Corp. assumes no legal responsibility for use or reliance upon these data.

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END OF MSDS