

SAFETY DATA SHEET

Onguard Bedbug Killer

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Onguard Bedbug Killer.

Date of Safety Data Sheet: June 22, 2015

Use of Preparation: Insecticide.

Company Identification: UR-CAN INC.
3325 North Service Road,
Unit 104,
Burlington,
Ontario L7N 3G3

Company Emergency Telephone Number Emergency Phone: 289-426-1363

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA/ WHMIS 2015 Hazards:

Not regulated.

Classification of substances or mixture

GHS-US/ Canadian classification:

Gases under pressure Compressed Gas

Skin Corrosion/Irritation Category 2

Aspiration Hazard Category 1

Specific target organ toxicity, single exposure, narcotic effects Category 3

Hazardous to the aquatic environment, acute hazard Category 1

Hazardous to the aquatic environment, long-term hazard Category 1

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US):



Signal Word (GHS-US): Danger!

Hazard Statements (GHS-US):

H280 – Contains gas under pressure, may explode if heated.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H336 – May cause drowsiness or dizziness

H400 – Very toxic to aquatic life.

H411 – Very toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US):

P102: Keep out of reach of children.

SAFETY DATA SHEET

Onguard Bedbug Killer

P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P211: Do not spray on an open flame or other ignition source. No not apply while equipment is energized.
P251: Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264: Wash hands, forearms, and exposed areas thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area. Maintain ventilation during use and until all vapours are gone.
P273: Avoid release to the environment.
P280: Wear face protection, protective clothing, protective gloves, and eye protection.
P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up
P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501: Dispose of contents/container in accordance with regulations.

Response (GHS-US):

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P304+P312: IF INHALED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P321: Specific treatment (see Section 4)
P331: Do NOT induce vomiting.
P332 + P313: If skin irritation occurs: Get medical advice/ attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Mixture

Ingredient	CAS#	% by Wt	Classification
Paraffinic Naphthenic Solvent	64742-47-8	3-7	Skin Corrosion/Irritant Category 2 H315 Aspiration Hazard Category 1 H304 Specific target organ toxicity, single exposure, narcotic effects Category 3 H336 Chronic Hazard to the aquatic environment Category 2 H411
Tetramethrin (Neopynamin)	7696-12-0	0.2	Acute Aquatic Toxicity Category 1 H400 Chronic Aquatic Toxicity Category 1 H410
d-Phenothrin (Sumithrin)	26002-80-2	0.2	Acute Toxicity Oral Category 4 H302 Acute Toxicity Dermal Category 4 H312 Acute Toxicity Inhalation Category 4H332 Chronic Aquatic Toxicity Category 1 H410
Isobutane	75-28-5	10-30	Flammable Gases Category 1 H220 Gases Under Pressure Compressed Gas H280
Propane	74-98-6	1-5	Flammable Gases Category 1 H220

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Date: June 22, 2015

SDS: Onguard Bedbug Killer

SAFETY DATA SHEET

Onguard Bedbug Killer

Eye Contact:	Call a POISON CENTER or doctor/physician if you feel unwell. Immediately flush eyes with plenty of water for at least 20 minutes. Continue rinsing. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
Skin Contact:	Remove contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Ingestion:	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
Notes to Physician:	Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chemical powder. Dry chemicals. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
General fire hazards	Containers should be cooled with water to prevent vapor pressure build up. Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe mist.

For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:

Protective Equipment: Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. For personal protection, see section 8 of the SDS.

Emergency Procedures: Ventilate area. Avoid breathing mist or vapor. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Environmental Precautions

SAFETY DATA SHEET

Onguard Bedbug Killer

Prevent entry to sewers and public waters. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

Methods and Material for Containment and Cleaning Up:

For Containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Stop the flow of material, if this is without risk. Contain any spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective.

Do not spray on a naked flame or any other incandescent material.

Do not smoke while using or until sprayed surface is thoroughly dry.

Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition.

Avoid breathing mist or vapor.

Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure.

Use only in well-ventilated areas.

Wear appropriate personal protective equipment.

Wash hands thoroughly after handling.

Observe good industrial hygiene practices.

For product usage instructions, please see the product label.

Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Level 3 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F.

Do not puncture, incinerate or crush.

Do not handle or store near an open flame, heat or other sources of ignition.

This material can accumulate static charge which may cause spark and become an ignition source.

Information about storage in one common storage facility:

Store away from foodstuffs and incompatible materials (see Section 10 of the SDS)

Further information about storage conditions:

Store in cool and dry conditions.

Store in a well ventilated area.

Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be

SAFETY DATA SHEET

Onguard Bedbug Killer

Respiratory protection:

available when handling this product.

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

Hand protection:

Wear protective gloves such as: Neoprene. Nitrile.

Eye protection:

Safety glasses with side-shields.

Skin protection:

Wear appropriate chemical resistant clothing.

Working hygiene:

Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Thermal Hazards:

Wear appropriate thermal protective clothing, when necessary.

Exposure guidelines:

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Source Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Paraffinic Naphthenic Solvent		200 mg/m ³		
Isobutane			1000 ppm	
Propane		1000 ppm		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Aerosol	Odour	Insecticide.
Appearance	Liquid	Odour Threshold	No data available.
Colour	Clear.		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	6.5-7.5	
Melting/Freezing Point	No data available	
Boiling Point/Range	100 °C	
Evaporation Rate:	Greater than 1	
Flash Point	77.0 °C	
Flammability (solid, gas)	No data available.	
Flammability Limit in Air:		
Upper Limit	9.5 % (V) est.	
Lower Limit	0.5 % (V) est.	
Vapour Pressure	50-60 at 20 °C	
Vapour density	> 1	
Specific Gravity (aerosol)	0.77-0.81	
Water Solubility	Soluble	
Solubility Other Solvents	No data available	
Partition Coefficient:	No data available	
n-octanol/water	No data available	
Autoignition temperature	>200°C	

SAFETY DATA SHEET

Onguard Bedbug Killer

Decomposition	No data available
Temperature	
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Aerosol Percent Volatile	93-94.
Oxidizing Properties	No data available

Other Properties:

Softening Point	No data available
VOC Content %	30-31
Particle Size	liquid
Particle Size Distribution	Not applicable

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions of use.
Thermal decomposition/conditions to avoid:	
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Hazardous decomposition products	Carbon oxides and nitrous oxide.
Materials to avoid	Strong oxidizing agents. Strong acids. Strong bases.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Information in likely routes of exposure:

Ingestion:

Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion. Harmful if swallowed. Gastrointestinal irritation, nausea and diarrhea. Potential for aspiration if swallowed.

Inhalation:

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause central nervous system depression with nausea, headache, dizziness, and incoordination.

Skin Contact:

May be absorbed through the skin in harmful amounts. Prolonged or repeated contact may dry skin and cause irritation.

Eye Contact:

Irritating to eyes.

Information on toxicological effects:

Acute toxicity:

May be fatal if swallowed and enters airways. Narcotic effects.

LD/LC50 values relevant for classification:

Paraffinic Naphthenic Solvent CAS # 64742-47-8:

Oral LD50 > 5,000 mg/kg (rat)

Dermal LD 50 > 2,000 mg/kg (rabbit)

Inhalation LD 50 4h > 5 mg/l (rat)

Tetramethrin (Neopynamin) CAS # 7696-12-0:

Oral LD50 4,640 mg/kg (rat)

Date: June 22, 2015

SDS: Onguard Bedbug Killer

SAFETY DATA SHEET

Onguard Bedbug Killer

Dermal LD 50 > 2,500 mg/kg (rat)

Inhalation LD 50 3h > 2,500 mg/m³ (rat)

d-Phenothrin (Sumithrin) CAS # 26002-80-2:

No data available.

Isobutane CAS # 75-28-5:

Inhalation LD 50 4h 658mg/l (rat)

Propane CAS # 74-98-6:

Dermal LD 50 > 5,000 mg/kg (rabbit)

Inhalation LD 50 4h 658mg/l (rat)

Primary irritant effect:

on the skin: Irritation

on the eye: Direct contact with eyes may cause temporary irritation.

Sensitization: No information available.

Additional toxicological information:

Carcinogenicity:

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Toxicity:

This product is not expected to cause reproductive or developmental effects.

Chronic Toxicity:

May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Aspiration Hazard:

May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death.

12. ECOLOGICAL INFORMATION

Toxicity: Not available.

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Partition Coefficient n-octanol/water: Tetramethrin – 4.58
Propane -2.3
Butane – 2.89

Mobility in Soil: Not available.

Other Adverse Effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Other Information:

13. DISPOSAL

Waste Disposal Recommendations This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). If empty: Place in trash or offer for recycling this container. If partly filled: Call your local solid waste agency for disposal instructions. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

SAFETY DATA SHEET

Onguard Bedbug Killer

Ecology – Waste Materials: Avoid release to the environment.

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation:

UN number UN1950
UN proper shipping name Aerosols, flammable, Limited Quantity
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
Packing group LTD QTY

Canadian T.D.G.:

UN number UN1950
UN proper shipping name Aerosols, flammable, Limited Quantity
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
Packing group LTD QTY

Water Transportation:

UN number UN1950
UN proper shipping name Aerosols, flammable, Limited Quantity
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
Packing group LTD QTY

Air Transportation:

UN number UN1950
UN proper shipping name Aerosols, flammable, Limited Quantity
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
Packing group LTD QTY

15. REGULATORY INFORMATION

International Inventories

TSCA -

SAFETY DATA SHEET

Onguard Bedbug Killer

DSL/NDSL	-
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances **ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	no

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).

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.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

SAFETY DATA SHEET

Onguard Bedbug Killer

U.S. State Right-to-Know Regulations:

This product contains substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propane CAS # 74-98-6	X	X	X
d-Phenothrin (Sumithrin) CAS #26002-80-2	X	-	-
Tetramethrin (Neopynamin) CAS #7696-12-0	X	-	-

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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:

EPA Pesticide Label

Animals CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation.

WHMIS Classification: Not regulated.

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Lizmar
32 Louisa Street
Toronto Ontario
M8V 2K6
416-436-5054

Issuing Date: June 22, 2015

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

SAFETY DATA SHEET

Onguard Bedbug Killer

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet