

**MATERIAL SAFETY DATA SHEET****PRODUCT: ONGUARD LIQUID ANIMAL REPELLANT****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Onguard Liquid Animal Repellant

Manufacturer Name and Address..... UR-CAN INC.. 3325 North Service Road, Unit 104, Burlington, ON, L7N 3G2  
905-631-7887

24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.

Recommended Use..... Animal Repellent.

Consumer Commodity..... Yes.

WHMIS Classification..... Not Applicable.

TDG Classification..... Consumer commodity.

**Section 02: HAZARDS IDENTIFICATION**

Emergency Overview..... May cause skin and eye irritation. Harmful if absorbed through skin.

Potential Health Effects: Eye Contact..... May cause irritation, redness and pain.

Skin Contact..... May cause skin irritation. If irritation persists, stop using the product and consult physician.

Ingestion..... Ingestion is not a likely route of exposure. If it occurs, do not induce vomiting. Get medical advice.

Inhalation - Avoid breathing mist, may cause respiratory tract irritation. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma

**Section 03: COMPOSITION/INFORMATION ON INGREDIENTS**

| Hazardous<br>Ingredients | CAS #     | Wt. %  |
|--------------------------|-----------|--------|
| Water                    | 7732-18-5 | 60-100 |
| Denatonium Benzoate      | 3734-33-6 | 0.075  |

**Section 04: FIRST AID MEASURES**

Eye Contact..... Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.

Skin Contact ..... Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or physician immediately.

Ingestion..... Immediately call a poison control centre or physician. Do not induce vomiting unless told to do so by a poison control centre or physician. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. If victim is alert and not convulsing, rinse mouth out and give 1/2 to 1 glass of water to dilute material.

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance. Obtain medical attention IMMEDIATELY.

Additional Information..... Treat symptomatically and supportively.

**Section 05: FIRE FIGHTING MEASURES**

Flammability Class..... Non-Flammable.

General Information - As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Hazardous Combustion Products..... Under fire conditions this product will support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide and nitrogen oxides. Sulfur oxides.

Extinguishing Media..... Carbon dioxide, dry chemicals, water spray or fog.

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**Section 06: ACCIDENTAL RELEASE MEASURES**

General Information..... Use proper personal protective equipment as indicated in Section 8.  
 Spills and Leaks..... Contain the spill. Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate protective equipment. Provide adequate ventilation. Ventilate enclosed spaces.

**Section 07: HANDLING AND STORAGE**

Handling..... Wash thoroughly after handling. . Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapour), and can be dangerous. Keep container tightly closed. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.  
 Storage - Store in a cool, dry, well-ventilated area away from incompatible substances. Container is under pressure. Store in a tightly closed container. Store at temperature below 50°C (120°F).

**Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Protective Equipment Clothing/Type ..... Wear adequate protective clothing to prevent skin contact.  
 Eye/Type..... Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910. 133 or European Standard  
 this product. EN166. Footwear/Type..... No special equipment is necessary for  
 exposure. Gloves/Type..... Wear appropriate gloves to prevent skin  
 Other/Type..... Not required.  
 Engineering Controls..... Local exhaust ventilation required to maintain  
 the point of use below the Threshold Limit

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State..... Liquid.  
 Physical Appearance..... Clear, colourless .  
 Odour..... No odour.  
 Odour Threshold (ppm)..... Not available.  
 Specific Gravity (aerosol)..... 0.980-1.020.  
 Aerosol Vapour Pressure (psig, 21 deg. C)... 90-110.  
 Vapour Density (Air=1)..... Not available.  
 Evaporation Rate..... <1.  
 pH..... 8.6.  
 Initial Boiling Point/Boiling Range (deg. C).... 100.  
 Melting/Freezing Point (deg. C)..... < 0.  
 Solubility..... Miscible in water.  
 Viscosity..... Not available.  
 Coefficient of Water/Oil Distribution..... Not available..... No data.  
 Flashback..... No.  
 Flash Point (deg C), Method..... Not applicable.  
 Auto Ignition Temperature (deg C)..... Not applicable.

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Lower Flammable Limit (% Vol)..... Not applicable.

Upper Flammable Limit (% Vol)..... Not applicable.

**Section 10: STABILITY AND REACTIVITY**

Stability..... The product is stable at normal condition of use.

Conditions to Avoid..... High temperatures may cause thermal decomposition.

Incompatibility..... Strong oxidizing agents. Halogenated compounds. Reducing agents.

Hazardous Products of Decomposition..... Carbon monoxide, carbon dioxide, and nitrogen oxides. Sulfur oxides. Oxides of Potassium. Ammonia.

Hazardous Polymerization..... Has not been reported.

**Section 11: TOXICOLOGICAL INFORMATION**

Route of Exposure..... Eye contact, inhalation, and ingestion.

Effects of Acute Exposure..... May cause dermatitis, irritation to eyes, dizziness, and vomiting.

Effects of Chronic Exposure..... Avoid inhalation of product mist. Use in well ventilated conditions.

Carcinogenicity of Material..... Not Classifiable as a Human Carcinogen.

Reproductive Effects..... No information is available, and no adverse effects are expected.

Teratogenicity..... No information is available, and no adverse effects are expected.

Mutagenicity..... No information is available, and no adverse effects are expected. Toxicological Data

|             |               |                |
|-------------|---------------|----------------|
| Ingredients | LC50-inh, rat | LD50-Oral, rat |
|-------------|---------------|----------------|

|       |               |
|-------|---------------|
| Water | Not available |
|-------|---------------|

Not available

|                     |               |
|---------------------|---------------|
| Denatonium Benzoate | Not available |
|---------------------|---------------|

584 mg/kg (rat-oral)

Oral Toxicity LD50 (Mixture, calculated):..... Not available.

Dermal Toxicity LD50 (Mixture, calculated):.. Not available.

Inhalation Toxicity LC50 (Mixture, calculated): Not available.

**Section 12: ECOLOGICAL INFORMATION**

Data from Toxicity Tests..... Not available .

Environmental..... Product contains components which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and Federal/national regulations.

Bioaccumulation Potential..... Not available. Other

Adverse Effects..... No data available.

Absorption Potential..... No data available.

**Section 13: DISPOSAL CONSIDERATIONS**

Appropriate Disposal Methods..... Dispose of in accordance with local, provincial and federal regulations.

Other Special Cautions..... When container is empty, replace cap and offer for recycling. Where recycling is not available, securely wrap container in several layers of newspaper and discard in trash. Contaminated absorbent and wash water should be disposed of according to local, State, and Federal regulations.

**Section 14: TRANSPORT INFORMATION**

Ground..... Consumer Commodity, ORM-D.

Air..... Not regulated.

Sea..... Consumer Commodity, ORM-D.

**Section 15: REGULATORY INFORMATION**

Canada..... Regulated by the Pest Control Product Act.

USA..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. Federal Insecticide, Fungicide and Rodenticide Act. HMIS: 3 Health, 0 Fire, 0 Reactivity.

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Section 16: OTHER INFORMATION

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disclaimer.....          | This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. THIS MSDS IS VALID FOR THREE YEARS. The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. UR-CAN assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. |
| Prepared by .....        | Regulatory Affairs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation Date.....    | Dec23/13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Last Revision Date ..... | March 2/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |