

PRODUCT: ONGUARD PNP LIQUID RESIDUAL (REG.32223)

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identity..... **ONGUARD PNP LIQUID RESIDUAL (REG.32223)**

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

Recommended Use..... Insecticide. Consumer Commodity..... Yes.

SECTION 02: HAZARDS IDENTIFICATION

Emergency Overview..... Contents under pressure. May cause skin and eye irritation.

Potential Health Effects:

Eye Contact..... May cause irritation, redness and pain.

May cause skin irritation. Prolonged or repeated contact may dry the skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion may cause vomiting and weakness. Small amounts of this product aspirated into the respiratory during ingestion or vomiting may cause mild to severe lung injury.

Inhalation..... Avoid breathing mist, may cause respiratory tract irritation. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Pyrethrin	8003-34-7	<0.1
Permethrin	52645-53-1	0.1-1
N-Octyl Bicycloheptene Dicarboximide	113-48-4	0.1-1
Odourless Mineral Spirits	64741-65-7	60-100
Fragrance mix	N/A	0.1-1

SECTION 04: FIRST AID

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

SIN CONTACT ---- Remove contaminated clothing. Launder clothing before reuse. Wash exposed area with soap and water. If symptoms persist, seek medical attention.

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.

.. INHALATION -----If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.

.. ADDITIONAL INFORMATION -----Treat symptomatically and supportively. Contains material that is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

SECTION 05: FIRE FIGHTING MEASURES

General Information..... As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapours may form an explosive mixture with air. Vapours can travel to a source of ignition and flash back. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapours may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing Media..... Carbon dioxide, dry chemical, foam.

SECTION 05: FIRE FIGHTING MEASURES

Hazardous Combustion Products..... Carbon dioxide, carbon monoxide. Hydrocarbons.

SECTION 06: ACCIDENTAL RELEASE MEASURES

General Information..... Use proper personal protective equipment as indicated in Section 8.
Spills and Leaks..... Large spills are not expected in aerosol spray. However, if occurred through manufacturing process, absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. A vapour suppressing foam may be used to reduce vapours. Remove all sources of ignition.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe 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, it can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Conditions for Safe Storage including any ... Container is under pressure. Keep away from heat, sparks, and flame. Keep away from Incompatibilities sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

ACGIH TLV	OSHA PEL	NIOSH INGREDIENTS	TWA	STEL	PEL	STEL	REL
Pyrethrin			5 mg/m3	Not available	5 mg/m3	Not available	Not available
Permethrin			Not available	Not available	Not available	Not available	Not available
N-Octyl Bicycloheptene Dicarboximide			Not available	Not available	Not available	Not available	Not available
Odourless Mineral Spirits	Not available		Not available	Not available	Not available	Not available	Not established
Fragrance			Not available	Not available	Not available	Not available	Not available

Protective Equipment Clothing/Type Wear adequate protective clothing to prevent skin contact.
Eye/Face Protection..... 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 EN166.
Footwear/Type..... No special equipment is necessary for this product.
Gloves/Type..... Wear appropriate gloves to prevent skin exposure. Respiratory
Protection..... Not normally required if good ventilation is maintained. NIOSH approved respirator recommended if vapours or mists are generated .
Other/Type..... Not required.
Appropriate Engineering Controls..... Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol. Physical Appearance..... Clear mist.
Odour..... Characteristic. pH..... Not available.
Odour Threshold (ppm)..... Not available. Aerosol Vapour Pressure (psig, 21°C)..... 90 max. Vapour Density (Air=1)..... > 5.4. Evaporation Rate (n-Butyl Acetate = 1)..... > 1 . Initial Boiling Point/Boiling Range (°C)..... 188. Melting/Freezing Point (°C)..... < -60. Specific Gravity (Aerosol)..... 0.730 - 0.770. Solubility in water..... Slightly miscible in water. Aerosol Flame Projection..... > 45 cm but < 100 cm. Flashback..... No. Flash Point (°C), Method..... 54. Closed cup. Auto Ignition Temperature (Propellant), °C... Not applicable. Lower Flammable Limit (% Vol)..... 1.2. Upper Flammable Limit (% Vol)..... 9.3. Coefficient of Water/Oil Distribution..... N/A.
Viscosity..... Not applicable.



SECTION 10: STABILITY AND REACTIVITY

Chemical Stability..... The product is stable under normal condition of use.
Conditions to Avoid..... Excessive heat, ignition sources, and oxidizing materials.
Incompatible Materials..... Strong Oxidizers.
Hazardous Decomposition Products..... By fire: Carbon dioxide, carbon monoxide.
Possibility of Hazardous Reactions..... Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Pyrethrin	Not available	2370 mg/kg (rat - oral), 2.0 g/kg (dermal - rabbit)
Permethrin	Not available	1.0 g/kg (rat - oral); >2.0 g/kg (rabbit - dermal)
N-Octyl Bicycloheptene Dicarboximide	> 4.08 mg/l (rat-inhl)	5.0 g/kg (rat - oral), 2.0 g/kg - (rabbit - dermal)
Odourless Mineral Spirits	>5900 mg/m3 (rat- 4hrs)	>8000ml/kg (rat - oral)
Fragrance	No data available	No data available
Route of Exposure..... Eye contact, Skin contact, Skin absorption, Inhalation, and Ingestion. Effects of Acute Exposure..... May cause dermatitis, irritation to eyes, dizziness, and vomiting. Chronic Effects.....		
Avoid inhalation of product mist. Use in well ventilated conditions. Carcinogenicity..... 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. Germ Cell Mutagenicity..... Permethrin did not produce any mutagenic effects when tested in the Ames assay, Chromosome aberration test or DNA damage test. Toxicological Data Oral LD50-rat (Mixture, calculated):..... >=7.5 g/Kg. Dermal LD50-rabbit (Mixture, calculated):..... >=2.0 g/Kg. Inhalation LC50-rat 4hrs (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 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

UN Number..... 1950. UN Proper Name..... AEROSOLS. Transport Hazard
Classification..... 2.1. Packaging Group (if applicable) III. Limited Quantity..... None known.
Guidance on air shipments..... None known. Guidance for marine shipments..... None known. Any Special
Precautions..... Protect from freezing.

SECTION 15: REGULATORY INFORMATION

CEPA Status..... All components of this product are listed on the Domestic Substance List (DSL) . WHMIS
Classification..... Not applicable. TSCA Inventory Status..... All components are listed on TSCA .
OSHA..... Not applicable. SARA Section 313..... None.

SECTION 16: OTHER INFORMATION

Disclaimer..... This product has been classified in accordance with the hazard criteria of the CPR and the
SDS contains all the information required by the CPR. THIS SDS IS VALID FOR THREE
YEARS. The information contained herein is based on data considered accurate. No warranty
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