

SAFETY DATA SHEET

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name: ONGUARD PNP Pro Ready to Use Residual Liquid Insecticide
PMRA Registration No.: 32850
Product Description: PMRA Registered Pesticide

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s): Use product for its intended purpose as pesticide. See label.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Name: OnGuard Canadian Products a Trade Name of Ur-Can Inc.
Address: P.O. 20069 BRANT HILLS, BURLINGTON,
ONTARIO, L7P 0A4 • 1-888-484-3213
Website: www.urcan.ca

1.4 Emergency telephone number

Emergency Telephone: CHEMTREC: +1 (800) 424-9300 (within the US) or +1 (703) 527-3887 (outside the US)

2.1. Classification of the substance or mixture

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

| Health | Environmental | Physical |
|--|----------------|-------------------------------|
| Aspiration Toxicity (Category 1) | Not classified | Flammable Liquid (Category 2) |
| Specific Target Organ Toxicity Single Exposure - Narcotic Effects (Category 3) | | |

2.2. Label elements

Label

Pictogram:



Signal Word: Danger

| Hazard Statements | Precautionary Statements |
|--|--|
| H225: Highly flammable liquid and vapor | P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| H304: May be fatal if swallowed and enters airways | P233: Keep container tightly closed |
| H336: May cause drowsiness or dizziness | P240: Ground and bond container and receiving equipment |
| | P241: use explosion-proof (electrical/ventilating/lighting) equipment |
| | P242: Use non-sparking tools |
| | P243: Take action to prevent static discharges |
| | P261: Avoid breathing dust/fume/gas/mist/vapours/spray |
| | P271: Use only outdoors or in a well-ventilated area |
| | P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection |
| | P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor if you feel unwell |
| | P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). |
| | P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing |
| | P312: Call a POISON CENTER/doctor if you feel unwell. |
| | P331: Do NOT induce vomiting |
| | P370+P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| | P403+P233+P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool. |
| | P405: Store locked up |
| | P501: Dispose of contents/container in accordance with local/regional/national regulations |

2.3. Other hazards

- This product is considered a hazardous mixture under Canada's Workplace Hazardous Materials Information System (WHMIS) 2015 legislation.

Mixture

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>% Weight</u> |
|--|----------------|---------------------|
| Odourless mineral spirits (hydrotreated heavy naphtha) | 64742-48-9 | 86.6 |
| Isopropyl alcohol | 67-63-0 | 12.5 |
| MGK® 2179 | Mixture | 0.8 |
| Petroleum distillates | 64742-47-8 | 25-50 |
| N-Octyl bicycloheptene dicarboximide | 113-48-4 | 31.25 |
| Permethrin | 52645-53-1 | 25 |
| Lavender oil | 8000-28-0 | 0.1 |

*May contain ingredients not listed in the table that are non-hazardous and/or present at <0.1%

4.1 Description of first aid measures

Eye contact: Remove contact lenses, if worn, and flush with plenty of water for at least 15 minutes. Seek medical attention if symptoms occur and persist.

Skin contact: If on skin or hair take off immediately all contaminated clothing. Rinse skin with water (or shower). Seek medical attention if symptoms occur and persist.

Inhalation: Immediately remove person to fresh air and keep comfortable for breathing. If not breathing or breathing is irregular, give artificial respiration or oxygen. Call a poison center/doctor if you feel unwell.

Ingestion: If swallowed immediately call a poison center/doctor. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered forward to reduce the risk of aspiration.

4.2 Most important symptoms and effects, both acute and delayed

- Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea, or narcotic effects. Direct eye contact may cause temporary redness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May have laxative effects. Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Aspiration hazard. Contains petroleum distillates – vomiting may cause aspiration pneumonia.

5.1 Extinguishing media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: Do not use water jet as this may spread the fire.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards: Flammable liquid and vapour. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Vapour can travel considerable distance and flashback to a source of ignition. Vapours are heavier than air and collect in confined and low-lying areas. Decomposition products of combustion may include but are not limited to: carbon dioxide, carbon monoxide, nitrogen oxides, and other hazardous gases. See also Section 10 - Stability and Reactivity.

5.3 Advice for firefighters

- Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Use standard firefighting procedures and consider the hazards of other materials involved in the fire. Evacuate personnel to safe areas. Move containers from fire area if safe to do so.

6.1 Personal precautions, protective equipment (PPE) and emergency procedures

Personal Precautions: Observe PPE advice in Section 8 – Exposure Controls/Personal Protection

Emergency Procedures: Not available

6.2 Environmental precautions:

- Avoid dispersal of spilled material. Collect spillage. Prevent entry and contact with soil, drains, sewers, and

waterways. Inform relevant local/regional/national/international authorities.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Ventilate the area. Do not let waste enter the environment. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Dispose of contents/container in accordance with local/regional/national/international regulations.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 – Disposal Considerations.

7.1 Precautions for safe handling

- Use only outdoors or in a well-ventilated location. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing. Keep away from heat and open flames. - No smoking. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharges. Bond and ground transfer containers and equipment to avoid static accumulation.
- Refer to Section 8.3 - Exposure Controls/Personal Protection

7.2 Conditions for safe storage, including any incompatibilities Storage

- Container must be properly labeled. Keep container tightly closed and store locked up in a cool, dry, well-ventilated area.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

8.1 Control Parameters:

No exposure limits available.

8.2 Exposure Controls:

Appropriate engineering controls

- Provide exhaust ventilation or other engineering controls to limit airborne concentration of vapours. An eyewash station and safety shower should be made available in the immediate working area. Use explosion-proof electrical and ventilating equipment.

8.3 Personal Protective Equipment

Respiratory: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use an approved dust respirator such as a High Efficiency Particulate Air (HEPA) respirator and filter cartridge authorized by regulatory standards.

Eyes/Face: Wear eye/face protection. Wear safety glasses with side shields. If necessary, refer to appropriate regulatory standards.

Hands/Skin: Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Body: Wear protective clothing to prevent skin contact, such as coveralls or long-sleeved shirt, long pants, and shoes and socks.

Thermal Hazards: None known

Environmental Exposure Controls: Not available

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Color: Colorless

Odor: Not available

Odor threshold: Not available

pH: Not available

Melting point: Not available

Boiling point: Not available

Flashpoint: Not available

Evaporation rate: Not available

Flammability: Highly flammable

Upper/lower flammability limits: Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: Not available

Solubility in water: Not available

Solubility in other solvents: Not available

Partition coefficient (log Kow): Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

Explosive properties: Not available

Oxidizing properties: Not available

9.2 Other information

No further information available

10.1 Reactivity

- This product is stable and non-reactive under normal handling and storage conditions.

10.2 Chemical stability

- This product is stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

- Hazardous polymerization does not occur

10.4 Conditions to avoid

- Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials. Avoid heat, sparks, open flames, and other ignition sources.

10.5 Incompatible materials

- Strong acids, oxidizing agents, reducing agents.

10.6 Hazardous decomposition products

- Carbon dioxide, carbon monoxide, nitrogen oxides, and other hazardous gases.

Likely routes of exposure: Skin and eye contact, inhalation

Potential signs and symptoms: Inhalation of high concentrations may cause dizziness, disorientation, in coordination, narcosis, nausea or narcotic effects. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary oedema and pneumonitis.

| | |
|--|---|
| Acute oral toxicity: | Rat LD50 >7000 mg/kg for hydrotreated heavy naphtha (CAS No. 64742-48-9); based on available data the classification criteria are not met |
| Acute dermal toxicity: | Rabbit LD50 >2000 mg/kg (no mortality) for hydrotreated heavy naphtha (CAS No. 64742-48-9); based on available data the classification criteria are not met |
| Acute inhalation toxicity: | Rat LC50 >5.04 mg/l (4-hours) for hydrotreated heavy naphtha (CAS No. 64742-48-9); based on available data the classification criteria are not met |
| Skin corrosion/irritation: | Based on available data the classification criteria are not met |
| Serious eye damage/irritation: | Based on available data the classification criteria are not met |
| Respiratory or skin sensitization: | Based on available data the classification criteria are not met |
| Mutagenicity: | Based on available data the classification criteria are not met |
| Carcinogenicity: | Permethrin (CAS No. 52645-53-1) and isopropyl alcohol (CAS No. 67-63-0) are classified as Group 3 (not classifiable as to its carcinogenicity to humans). No other components in this product are classified with respect to carcinogenicity by the IARC, NTP, and ACGIH. |
| Reproductive Toxicity: | Based on available data the classification criteria are not met |
| Specific target organ toxicity (single exposure): | Based on available data the classification criteria are not met |
| Specific target organ toxicity (repeated exposure): | Based on available data the classification criteria are not met |
| Aspiration hazard: | Aspiration hazard if swallowed (Category 1) |

12.1 Toxicity

- This product is not considered toxic to aquatic organisms. The primary component, hydrotreated heavy naphtha, is not classified for the environment because it does not demonstrate acute fish and invertebrate toxicity, and alga toxicity at loadings up to 1000 mg/L. In addition, it is also readily biodegradable.

12.2 Persistence and degradability

- The primary component, hydrotreated heavy naphtha, is readily biodegradable.

12.3 Bioaccumulative potential

- No data available

12.4 Mobility in Soil

- No data available

12.5 Results of PBT and vPvB assessment

- No data available

12.6 Other adverse effects

- No further data available

References:

ECHA 2019. Registered Substances Database: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics. Available online: <https://echa.europa.eu/registration-dossier/-/registered-dossier/15780/6/1>

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Waste disposal must be in accordance with local, regional, national, and/or international regulations. See also Section 7.

This product is not regulated as dangerous goods for transport under Canada's Transportation of Dangerous Goods Regulations including Amendment *SOR/2019-101*. An exemption applies as per *1.33(c)*, *SOR/2008-34* regarding small means of containment for Class 3, Flammable Liquids.

| | TDG | IMO/IMDG | ICAO/IATA |
|--|----------------|----------------|----------------|
| 14.1 UN number | Not applicable | Not applicable | Not applicable |
| 14.2 UN proper shipping name | Not applicable | Not applicable | Not applicable |
| 14.3 Transport hazard class(es): | Not applicable | Not applicable | Not applicable |
| 14.4 Packing group | Not applicable | Not applicable | Not applicable |
| 14.5 Environmental hazards | None | None | None |
| 14.6 Special precautions for user | None | None | None |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable | Not applicable | Not applicable |

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United States

Federal Regulations:

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):

No components in this product are listed under CERCLA.

Clean Water Act (CWA): No components in this product are listed as toxic pollutants.

Clean Air Act (CAA): No components in this product are listed as hazardous air pollutants.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components: No components in this product are subject to reporting requirements of S.302.

SARA 311/312 Hazards: Acute Health Hazard

SARA 313 Components: This product contains isopropyl alcohol (listed as isopropyl alcohol [mfg strong acid process]; CAS No. 67-63-0) and permethrin (listed as 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxy-phenyl)methyl ester; CAS No. 52645-53-1) which are subject to reporting level established by S313. No other components in this product are subject.

Toxic Substances Control Act (TSCA): This product contains hydrotreated heavy naphtha (CAS No. 64742-48-9), isopropyl alcohol (CAS No. 67-63-0), petroleum distillates (CAS No. 64742-47-8), and lavender oil (CAS No. 8000-28-0) which are listed on the non-confidential TSCA inventory. N-Octyl bicycloheptene dicarboximide (CAS No. 113-48-4) and permethrin (CAS No. 52645-53-1) are not listed on the non-confidential TSCA inventory.

State Regulations:

California: No components in this product are listed under Proposition 65 (CA Health & Safety Code Section 25249.5).

Massachusetts: This product contains isopropyl alcohol (CAS No. 67-63-0) and permethrin (CAS No. 52645-63-1) which are listed under the Right to Know Act (RTK). No other components are listed under the RTK.

New Jersey: This product contains isopropyl alcohol (CAS No. 67-63-0) and permethrin (CAS No. 52645-63-1) which are listed under the RTK. No other components in this product are listed under the RTK.

Pennsylvania: This product contains isopropyl alcohol (CAS No. 67-63-0) which is listed under the RTK. No other components in this product are listed under the RTK.

Canada

Canadian Environmental Protection Act (CEPA): No components in this product are listed on the Priority Substances List. This product contains hydrotreated heavy naphtha (CAS No. 64742-48-9), isopropyl alcohol (CAS No. 67-63-0), petroleum distillates (CAS No. 64742-47-8), N-octyl bicycloheptene dicarboximide (CAS No. 113-48-4), and lavender oil (CAS No. 8000-28-0) which are listed on the Domestic Substances List (DSL). No other components were found on either list.

National Pollutant Release Inventory (NPRI): Hydrotreated heavy naphtha (CAS No. 64742-48-9), isopropyl alcohol (CAS No. 67-63-0), petroleum distillates (CAS No. 64742-47-8) are subject to reporting requirements. No other components in this product are subject to reporting requirements.

International:

IARC: Permethrin (CAS No. 52645-53-1) and isopropyl alcohol (CAS No. 67-63-0) are classified as Group 3 (not classifiable as to its carcinogenicity to humans). No other components in this product are classified with respect to potential carcinogenicity.

15.2 Chemical Safety Assessment

- Not available for the components in this product

List of acronyms and abbreviations

| | |
|--|---|
| ACGIH: American Conference of Governmental Industrial Hygienists | LC50: Lethal Concentration, 50% |
| ADR: International Carriage of Dangerous Goods by Road | LD50: Lethal Dose, 50% |
| ADNR: Regulation for the carriage of dangerous substances on the Rhine | MARPOL: Maritime Pollution |
| CAA: Clean Air Act | NTP: National Toxicology Program |
| CAS: Chemical Abstract Service Number | PBT: Persistent, Bioaccumulative and Toxic |
| CERCLA: Comprehensive Environmental Response and Liability Act | PPE: Personal Protective Equipment |
| CWA: Clean Water Act | RID: International rule for transport of dangerous |
| DSL: Domestic Substances List | RTK: Right to Know |
| ECHA: European Chemicals Agency | REACH: Registration, Evaluation, Authorization and Restriction of Chemicals |
| EPCRA: Emergency Planning and Community Right To Know Act | SARA: Superfund Amendment and Reauthorization Act |
| GHS: Global Harmonized System | SCBA: Self-contained Breathing Apparatus |
| HEPA: High Efficiency Particulate Air | SDS: Safety Data Sheet |
| HSDB: Hazardous Substances Data Bank | TLV: Threshold Limit Value |
| IBC: International Bulk Chemical | TSCA: Toxic Substances Control Act |
| IARC: International Agency for Research on Cancer | TWA: Time Weighted Average |
| IATA: International Air Transport Association | UN: United Nations |
| ICAO: International Civil Aviation Organization | vPvB: very Persistent, very Bioaccumulative |
| IMDG: International Maritime Dangerous Goods | WHMIS: Workplace Hazardous Materials Information System |
| IMO: International Maritime Organization | |

References:

- European Chemicals Agency (ECHA) Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- European Chemicals Agency Classification and Labelling (C&L) Inventory Database
- United States National Toxicology Program (NTP)
- United States National Library of Medicine's Hazardous Substances Data Bank (HSDB)

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of 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.

Revision Indicator: This is a new Safety Data Sheet.

Creation Date: September 01, 2020