SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: ONGUARD PC-5/2
PMRA Registration No.: 31036
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)

Section 2 – Hazards Identification

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)
Skin Sensitization (Category 1B)		

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
H317: May cause an allergic skin reaction	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
	P272: Contaminated work clothing should not be allowed out of the workplace
	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
	P302+P352: IF ON SKIN: Wash with plenty of water
	P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
	P321: Specific treatment (see label)
	P331: Do NOT induce vomiting
	[redacted]
	P370+P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
	P403+ +P235: Store in a well-ventilated place. 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

[redacted]		
Odourless mineral spirits (hydrotreated heavy naphtha)	64742-48-9	95.57
Piperonyl butoxide	51-03-6	1.93
MGK® Pyrocide 175 (20%)	Mixture	2.5
Petroleum distillates, hydrotreated light	64742-47-8	Not available
n-Octylbicycloheptene dicarboximide	113-48-4	Not available
Piperonyl butoxide	51-03-6	Not available
Pyrethrins	8003-34-7	Not available

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. Discard contaminated clothing or wash it before reuse. Rinse skin with water (or shower). If skin irritation or rash occurs: Get medical advice/attention.

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

[redacted]

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. For skin effects, a highly efficient therapeutic agent for pyrethrin exposure is topical application of tocopherol acetate (Vitamin E).

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.

[redacted]

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

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:

Chemical Name	CAS No.	% Weight	Exposure Limit	Basis
Pyrethrins	8003-34-7	<1.93	5 mg/m^3 TWA	ACGIH TLV

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

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: Not available
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

[redacted]

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
Oxidising 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

[redacted]

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 and bases, 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: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary oedema and pneumonitis. Symptoms may include redness, edema, cracking, and allergic reaction of the skin.

Acute oral toxicity:	Rat LD50 >7000 mg/kg for hydrotreated heavy naphtha (CAS No. 64742-48-9); Rat LD50 = 6150 mg/kg for piperonyl butoxide (CAS No. 51-03-6); 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
[redacted]	
Mutagenicity:	Based on available data the classification criteria are not met
Carcinogenicity:	No 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

[redacted]

- 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.

A https://echa.europa.eu/registration-dossier/-/registered-dossier/15780/6/1

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 R s 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):
Pyrethrins (CAS No. 8003-34-7) is listed under CERCLA with a reportable quantity of 1 pound. No other 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 piperonyl butoxide (CAS No. 51-03-6) which is 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), piperonyl butoxide (CAS No. 51-03-6), petroleum distillates, hydrotreated light (CAS No. 64742-47-8), and Tween 80 (CAS No. 9005-65-6) which are listed on the non-confidential TSCA inventory. N-octyl bicycloheptene dicarboximide (CAS No. 113-48-4) and pyrethrins (CAS No. 8003-34-7) 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 pyrethrins (CAS No. 9005-65-6) which is listed under the Right to Know Act (RTK). No other components are listed under the RTK.
New Jersey: This product contains pyrethrins (CAS No. 8003-34-7) which is listed under the RTK. No other components are listed under the RTK.
Pennsylvania: This product contains pyrethrins (listed as pyrethroids; CAS No. 8003-34-7) which is listed under the RTK. No other components are listed under the RTK.

Canada

List. This product contains hydrotreated heavy naphtha (CAS No. 8003 34 7), piperonyl butoxide (CAS No. 51-03-6), petroleum distillates, hydrotreated light (CAS No. 64742-47-8), N-octyl bicycloheptene dicarboximide (CAS No. 113-48-4), and Tween 80 (CAS No. 9005-65-6) 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), petroleum distillates, hydrotreated light (CAS No. 64742-47-8) are subject to reporting requirements. No other components in this product are subject to reporting requirements.

International:

IARC: No components in this product are classified with respect to potential carcinogenicity.

15.2 Chemical Safety Assessment

- None 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, Authorisation 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, Authorisation 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.

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