

Safety Data Sheet

B1 Home & Apartment Insecticide (Baygon)

SECTION 1. IDENTIFICATION

Product Identifier	Pro® Professional B1 Insecticide	
Other Means of Identification	Code: 5182070 Carbamate Insecticide	P.C.P. Act Registration No.: 14873
Recommended Use	Non-systemic Insecticide	
Restrictions on Use	None Known	
Initial Supplier Identifier	Premier Tech Brighton Ltd., 1, avenue Premier, Rivière-du-Loup, QC G5R 6C1	
Emergency Telephone Number	In the event of an emergency involving dangerous goods, call CANUTEC at 1-888-CAN-UTEC (226-8832), 613-996-666 or *666 on a cellular phone.	

SECTION 2. HAZARD IDENTIFICATION

Classification Flammable Liquid & Vapour – Category 3; H226
 Aspiration Hazard – Category 1; H304
 Acute Oral Toxicity – Category 5; H303
 Acute Dermal Toxicity – Category 5; H313
 Acute Inhalation Toxicity – Category 3; H331
 Eye Irritation – Category 2/2A; H319

Label Elements



Signal Word:
DANGER

Hazard Statement(s):
 Flammable liquid and vapour; H226
 May be fatal if swallowed and enters airways; H304
 May be harmful in contact with skin; H313
 Toxic if inhaled; H331
 Causes serious eye irritation; H319

Precautionary Statement(s):
 Prevention:
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking.
 Keep container tightly closed.
 Ground/bond container and receiving equipment.
 Use explosion-proof equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.

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Wear NIOSH/MSHA approved respirator, safety goggles, chemical resistant gloves and coveralls.

Wash skin and eyes thoroughly after handling.

Do not eat, drink or smoke when using this product.

Avoid breathing vapours

Use only outdoors or in a well-ventilated area.

Response:

In case of fire: Use Foam, Dry Chemical, Carbon Dioxide and Water to extinguish.

IF SWALLOWED: Immediately call a doctor and obtain medical advice. Do NOT induce vomiting. Give 1 to 2 glasses of water (200 to 500mL) to dilute material. Rinse mouth. If vomiting occurs, have victim lean forward with head down to avoid breathing of vomitus.

Never give anything by mouth to an unconscious person.

IF ON SKIN: Call a doctor if irritation persists or if you feel unwell.

Wash thoroughly with plenty of water and soap. If skin irritation or a rash occurs Get medical attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor for medical advice. Give Artificial Respiration ONLY if required. Give CPR if there is NO breathing AND NO pulse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue to flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists, seek Medical Attention.

Storage:

Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Store locked up.

Storage temperature Min: 0°C Max: 40°C

Disposal:

Dispose of empty container with household garbage.

Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Other Hazards

This product is toxic to bees and fish. Do Not contaminate local water supplies or environments.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms
Petroleum Distillates	64742-47-8	75% - 90%	Petroleum Distillates
Dodecyl Phenol	27193-86-8	5% - 15%	Dodecyl phenol
Propoxur	114-26-1	1.0 %	Propoxur

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SECTION 4. FIRST-AID MEASURES

Inhalation	Move victim to fresh air. Give Artificial Respiration ONLY if required. Give CPR if there is NO breathing AND NO pulse. Call a doctor for Medical Advice.
Skin Contact	Wash skin with running water and thoroughly wash with soap and water. If irritation persist seek Medical Attention.
Eye Contact	Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists, seek Medical Attention.
Ingestion	Give 1 to 2 glasses of water (200 to 500 mL) to dilute material. If vomiting occurs, lean victim forward with head down to avoid breathing vomitus. DO NOT induce vomiting. Obtain Medical Advice. Never give anything by mouth to an unconscious person.
Most Important Symptoms and Effects, Acute and Delayed	Acute Effects of Overexposure: May cause irritation to the eyes, nose, throat and respiratory tract. Symptoms of poisoning is increased salivation, blurred vision, constricted pupils, nausea, dizziness, vomiting and diarrhea. Effects of Chronic Exposure: Prolonged exposure may cause dermatitis.
Immediate Medical Attention and Special Treatment	Propoxur is a cholinesterase inhibitor. Antidote is Atropine sulfate, administer in large therapeutic doses.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media Suitable	Foam, Dry Chemical, Carbon Dioxide and Water. Wear self-contained Breathing Apparatus and impervious clothing.
Extinguishing Media Unsuitable	None Known.
Specific Hazards Arising from the Product	Container may explode under intense heat. Vapour is heavier than air, may flash back from an ignition source. Materials to avoid: Oxidizing and alkaline materials. Hazardous Decomposition Products: Carbon and nitrogen oxides, methyl isocyanate.
Special Protective Equipment and Precautions for Fire-Fighters	Fire- fighters must wear Self-Contained Breathing Apparatus and impervious clothing. Minimize amount of water used and contain the run-off by diking. Use water spray to cool fire exposed containers or structures.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	Eliminate all ignition sources. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment: NIOSH/MSHA approved respirator, safety goggles, chemical resistant gloves and coveralls. Evacuate the area immediately, isolate the hazard area. Keep out unnecessary and unprotected personnel.
Methods for Containment and Cleaning Up	Stop leak and contain spill by diking and absorb with suitable absorbent and transfer into waste containers for disposal. Clean area with detergent and water, absorb wash and place in waste container. Remove any contaminated soil for proper disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling	Ensure local exhaust or ventilation. Avoid breathing vapours, contact with eyes, skin and clothing. Wash thoroughly after use. Wear personal protective equipment to avoid direct contact with this product: NIOSH/MSHA approved respirator, safety goggles, chemical resistant gloves and coveralls.
Conditions for Safe Storage	Store in cool, dry, well ventilated area. Tightly closed. Min temp 0°C Max temp 40°C Store locked up. Keep out of reach of children and pets. Materials to avoid: Oxidizing and alkaline materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls	Local exhaust or ventilation
Individual Protection Measures	
Eye/Face Protection	Safety goggles
Skin Protection	Chemical resistant gloves and coveralls
Respiratory Protection	NIOSH/MSHA approved respirator

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Chemical Name	ACGIH® TLV®	
	TWA – T.L.V.	LD50(mg/Kg)
Petroleum Distillates	300 ppm	Oral, rat >5000
Dodecyl Phenol	No data available	Oral, rat 2100 Dermal, rat 669
Propoxur	0.5 mg/m ³	Oral, rat 50 Dermal, rat >5000
Calculate LD50 for mixture		4040

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellow liquid solution
Odour	Hydrocarbon odour
Odour Threshold	No data available
pH	No data available
Melting Point and Freezing Point	No data available
Initial Boiling Point and Boiling Range	No data available
Flash Point	43°C T.C.C.
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper and Lower Flammability or Explosive Limit	6.0%(upper explosion limit); 0.7%(lower explosion limit)
Vapour Pressure	No data available
Vapour Density (air = 1)	No data available
Relative Density (water = 1)	No data available
Solubility in Water	Insoluble

Product Identifier: 10. Pro B1 Insecticide, B1 Baygon Residual Home & Apartment(PCP14873)

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Solubility in Other Liquids No data available

Partition Coefficient, n-Octanol / Water (Log Kow) No data available

Auto-ignition Temperature No data available

Decomposition Temperature No data available

Viscosity No data available

Specific Gravity 0.788

% Volatiles 99%

SECTION 10. STABILITY AND REACTIVITY

Reactivity Hazardous Polymerization Will Not Occur

Chemical Stability Stable

Possibility of Hazardous Reactions Conditions to Avoid Elevated temperatures

Incompatible Materials Oxidizing and alkaline materials

Hazardous Decomposition Products Carbon and nitrogen oxides, methyl isocyanate

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation Skin contact Eye contact Ingestion

Acute Toxicity

Chemical Name	LD50 (mg/Kg)
Petroleum Distillates	Oral, rat >5000
Dodecyl Phenol	Oral, rat 2100 Dermal, rat 669
Propoxur	Oral, rat 50 Dermal, rat >5000
Calculated LD50 for Mixture	4040



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Skin Corrosion / Irritation

Prolonged exposure may cause dermatitis.

Serious Eye Damage / Irritation

May cause irritation to the eyes, nose, throat and respiratory tract.

STOT (Specific Target Organ Toxicity) – Single Exposure

Acute Effects of Overexposure:

May cause irritation to the eyes, nose, throat and respiratory tract.

Symptoms of poisoning is increased salivation, blurred vision, constricted pupils, nausea, dizziness, vomiting and diarrhea.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Effects of Chronic Exposure:

Prolonged exposure may cause dermatitis

Propoxur is a cholinesterase inhibitor. Antidote is Atropine sulfate, administer in large therapeutic doses.

Respiratory and/or Skin Sensitization

May cause irritation to the eyes, nose, throat and respiratory tract. Symptoms of poisoning is increased salivation, blurred vision, constricted pupil, nausea, dizziness, vomiting and diarrhea.

Carcinogenicity: No data available

Reproductive Toxicity: Data lacking

Mutagenicity: No data available

Sexual Function and Fertility: No data available

Note: Propoxur is a cholinesterase inhibitor. Antidote is Atropine sulfate, administer in large therapeutic doses.

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.
This substance is toxic to bees and fish.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods Wrap container and discard with household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations. Do not reuse empty container.

SECTION 14. TRANSPORT INFORMATION

UN#2922, CORROSIVE LIQUID, TOXIC, N.O.S., CLASS 8(6.1), PG III
In the event of an emergency involving dangerous goods, call CANUTEC at 1-888-CAN-UTEC (226-8832), 613-996-666 or *666 on a cellular phone.

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SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015). This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency (PMRA) and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label. Refer to the PMRA registered label for all hazard information. The following is the hazard information required on the pest control product label:

DANGER ☠ POISON
 P.C.P. Act Registration No.: 14873

SECTION 16. OTHER INFORMATION

Legend to abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists.
CANUTEC	CANUTEC stands for Canadian Transport Emergency Centre, which is operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. CANUTEC provides information and communications assistance in case of transportation emergencies involving dangerous goods. It is accessible in Canada by telephone, 24 hours a day, year-round at (613) 996-6666 (collect) or *666 on a cell phone.
CAS	CAS Registry Number – the Chemical Abstracts Service Registry Number. This identification number is assigned to a chemical by the Chemical Abstracts Service, a division of the American Chemical Society.
HPA / HPR	Hazardous Products Act / Hazardous Products Regulations – The Hazardous Products Regulations (HPR) are Canadian federal regulations enabled by the Hazardous Products Act (HPA). They are part of the national Workplace Hazardous Materials Information System (WHMIS 2015), and replace the Controlled Products Regulations (CPR). The HPR applies to all suppliers (importers or sellers) in Canada of hazardous products intended for use, handling or storage in Canadian work places. The regulations specify the criteria for classification of hazardous products. They also specify what information must be included on labels and Safety Data Sheets (SDSs).
LC50	(Lethal Concentration ₅₀) – the airborne concentration of a substance or mixture that causes the death of 50 per cent of the group of

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	animals in tests that measure the ability of a substance or mixture to cause poisoning when it is inhaled. These tests are usually conducted over a 4-hour period. The LC50 is usually expressed as parts of test substance or mixture per million parts of air (ppm) for gases, or as milligrams of test substance or mixture per litre of air (mg/l) for dusts, mists or vapours.
LD50	(Lethal Dose50) – the single dose of a substance or mixture that causes the death of 50 per cent of the group of animals in tests that measure the ability of a substance or mixture to cause poisoning when it is swallowed (oral exposure) or absorbed through the skin (dermal exposure). The LD50 can vary depending on factors such as the species of animal tested and by the route of entry. The LD50 is usually expressed as milligrams of substance or mixture per kilogram of test animal body weight (mg/kg).
Local/Source Ventilation	The movement of air by mechanical means. The removal of contaminated air directly at its source. This type of ventilation can help reduce worker exposure to airborne substances more effectively than general ventilation, because it does not allow the substance to enter the work environment. It is usually recommended for hazardous airborne substances.
MSHA	Mine Safety Health Administration
NIOSH	National Institute for Occupational Safety and Health. NIOSH is a branch of the United States government. It is the mission of NIOSH to develop new knowledge in the field of occupational safety and health, and to transfer that knowledge into practice.
PCP	Pesticide Control Products Act
PPE	Personal protective equipment
REACH	Stands for Registration, Evaluation, Authorization & Restriction of Chemicals. It is a regulation of the European Union, adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals.
STEL	Short-term exposure limit (STEL) is the average concentration to which workers can be exposed for a short period (usually 15 minutes) without harmful effects. ACGIH specifically defines the harmful effects as irritation, long-term or irreversible tissue damage, reduced alertness or other toxic effects. The number of times the concentration reaches the STEL and the amount of time between these occurrences can also be restricted.
TDG	Transportation of Dangerous Goods – federal legislation that controls the conditions under which dangerous goods may be transported on public roads, in the air, by rail or by ship. Its purpose is to protect the health and safety of persons in the vicinity of transport accidents involving those goods.
TLV	Threshold limit values - airborne concentrations of substances to which it is believed that nearly all workers may be exposed day after

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	day without experiencing adverse effects. ACGIH® develops these values.
TWA	Time-weighted average exposure limit is the time-weighted average concentration of a chemical in air for up to 10 hours a day, 40 hours a week, to which nearly all workers may be exposed day after day without harmful effects. “Time-weighted average” means that the average concentration has been calculated using the duration of exposure to different concentrations of the chemical during a specific time (usually 8 hours). In this way, higher and lower exposures are averaged over the day or week
WHMIS	Workplace Hazardous Materials Information System. WHMIS is Canada’s national hazard communication system for hazardous products in the work place. It applies to suppliers, importers, and distributors of hazardous products that are sold in or imported into Canada and intended for use, handling or storage in Canadian work places, as well as to the employers and workers who use those products.

References

UNITED NATIONS (UN). 2015. Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Sixth revised edition, New York and Geneva, 527 pages
http://www.unece.org/fileadmin/DAM/trans/danger/publi/ghs/ghs_rev06/English/ST-SG-AC10-30-Rev6e.pdf (November 12, 2016)

CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY (CCOHS). 2016. WHMIS/GHS/(M)SDS, Website, Government of Canada,
www.ccohs.ca/topics/legislation/WHMIS/index.html (November 12, 2016)

Base INCHEM
<http://www.inchem.org/>

TRANSPORT CANADA. 2016. CANUTEC, Website, Canadian Transport Emergency Centre, Government du Canada, <https://www.tc.gc.ca/eng/canutec/menu.htm> (November 12, 2016)

Date of Latest Revision September 9, 2016

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