

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name APREHEND®
Intended Use Prevention and control of bed bug infestations.
Restrictions on Use It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

COMPANY IDENTIFICATION

Supplier: **Rockwell Labs Ltd**
1257 Bedford Ave
North Kansas City, MO 64116
(816) 283-3167
Emergency Contact: Outside normal business hours (800) 424-9300 (US & Canada), +1 703-527-3887 (Outside US & Canada)

SECTION 2 HAZARDS IDENTIFICATION

OSHA GHS CLASSIFICATION Aspiration hazard: Category 1

OSHA GHS LABEL ELEMENTS

Pictogram



Signal Word Danger

Hazard Statement May be fatal if swallowed and enters airways.

Precautionary Statements IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Do NOT induce vomiting. Store locked up.
Dispose of contents and container in accordance with local regulations.

UNCLASSIFIED HAZARDS May be irritating to the eyes, nose, throat, and lungs. Repeated exposure may cause skin dryness or cracking.

INGREDIENTS WITH UNKNOWN TOXICITY None

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients classified as health hazards

Name	CAS#	Concentration
Solvent	Trade Secret	70 – 80%

The specific chemical identities and percentages of composition have been withheld as trade secrets.

SECTION 4 FIRST AID MEASURES

INGESTION Seek immediate medical attention. Do not induce vomiting. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

INHALATION Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

SKIN CONTACT Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated

clothing before reuse.

EYE CONTACT

Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

MOST IMPORTANT SYMPTOMS May be fatal if swallowed and enters airways.

IMMEDIATE MEDICAL ATTENTION REQUIRED If swallowed, immediately call a poison center or doctor.

SECTION 5

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media: Straight Streams of Water.

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards: Hazardous material. Firefighters should consider protective equipment indicated in Section 8.

Hazardous Combustion Products: Smoke, Fume, Incomplete combustion products, Oxides of carbon.

SECTION 6

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material. See Section 5 for fire-fighting information. See Section 2 for significant hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Land Spill: Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.

Water Spill: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas. Stop leak if you can do it without risk. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

SECTION 7

HANDLING AND STORAGE

HANDLING

Avoid contact with eyes or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Applicators must wear a dust/mist filtering respirator meeting NIOSH standard of at least R-95 or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

STORAGE

Store in a cool, dry place away from heat or open flame. Do not store product in vehicles. Do not expose product to temperatures above 80°F.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Substance Name	ACHIG TLV	OSHA PEL
Solvent	200 mg/m ³	None

ENGINEERING CONTROLS The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

PERSONAL PROTECTION Applicators must wear a dust/mist filtering respirator meeting NIOSH standard of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

Physical state	Liquid oil
Color	Light beige with spores in suspension. Clear liquid when spores settle to bottom.
Odor	Very slight paraffin odor
Odor threshold	Not available
pH	Not applicable
Freezing point	Not available
Boiling point/range	Not available
Flash point	206.2°F
Evaporation rate	Not available

Flammability	Not flammable
Flammability limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.81 g/mL
Solubility	Not Miscible with water
Partition coefficient	Not available
Auto-ignition temp	Not available
Decomposition temp	Not available
Viscosity	Not available

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY

STABILITY

CONDITIONS TO AVOID

MATERIALS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS

POSSIBILITY OF HAZARDOUS REACTIONS

See sub-sections below.

Material is stable under normal conditions.

Avoid heat, sparks, open flames and other ignition sources.

Strong oxidizers.

Material does not decompose at ambient temperatures.

Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Hazard Class	Conclusion / Remarks
Inhalation	
Acute toxicity (Rat) 4 hour(s) LC50 > 5000 mg/m ³ (Vapor)	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 403
Irritation: No end point data for material.	Negligible hazard at ambient/normal handling temperatures.
Ingestion	
Acute Toxicity (Rat): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 401
Skin	
Acute Toxicity (Rabbit): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 402
Skin Corrosion/Irritation: Data available.	May dry the skin leading to discomfort and dermatitis. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 404
Eye	
Serious Eye Damage/Irritation: Data available.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405

Hazard	Conclusion / Remarks
Sensitization	
Respiratory Sensitization: No end point data for material.	Not expected to be a respiratory sensitizer.
Skin Sensitization: Data available.	Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 406
Aspiration: Data available.	May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.
Germ Cell Mutagenicity: Data available.	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 471 473 474 476 478 479
Carcinogenicity: Data available.	Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 453
Reproductive Toxicity: Data available.	Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 414 421 422
Lactation: No end point data for material.	Not expected to cause harm to breast-fed children.
Specific Target Organ Toxicity (STOT)	
Single Exposure: No end point data for material.	Not expected to cause organ damage from a single exposure.
Repeated Exposure: Data available.	Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 408 413 422

SECTION 12 ECOLOGICAL INFORMATION

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No data available on the product.

SECTION 13 DISPOSAL CONSIDERATIONS

Do not puncture or incinerate! Non-refillable container. Do not reuse or refill this container. If empty: Place in trash and offer for recycling if available. If partially filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

SECTION 14 TRANSPORT INFORMATION

Not regulated for transportation.

SECTION 15 REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

CAUTION: Causes moderate eye irritation. Harmful if inhaled or swallowed.

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR. Exempt - Registered product - (PEST CONTROL PRODUCTS ACT: REGISTRATION NO. 33745).

Read the approved PCPA label prior to using or handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency 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. Following is the hazard information required on the pest control product label:

KEEP OUT OF REACH OF CHILDREN. POTENTIAL SENSITIZER

READ THE LABEL BEFORE USING.

PRECAUTIONS. KEEP OUT OF THE REACH OF CHILDREN. May cause sensitization. Avoid contact with skin and clothing. Avoid inhaling/breathing mists. Wear waterproof gloves, long-sleeved shirt, long pants, goggles, socks and shoes, as well as NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter when handling, mixing/loading or applying the product and during all clean-up/repair activities. Wash thoroughly with soap and water after handling.

Remove contaminated clothing and wash before re-use.

DO NOT apply when people or pets are present. DO NOT allow people or pets to enter treated areas until sprays have dried. Ventilate treated areas after application either by opening windows and doors or through use of air exchange/ventilation systems confirmed to be operational. Use fans where required to aid in the circulation of air. DO NOT allow spray to drip or allow drift onto non-target surfaces, including furniture or upholstery where prolonged contact with people or pets will occur; any spray residue must be removed by the applicator. DO NOT apply to surfaces that may come into contact with food/feed. Cover or remove all food/feed. Cover all food/feed processing surfaces, equipment and utensils or thoroughly wash following treatment.

Do not apply on hot surfaces (>40 °C). Do not apply to electrical outlets or fittings. Do not apply to bare floors - slipping hazard.

There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

International regulations

WHMIS classification: Exempt - Registered product - (PCP 33745)

Country(s) or region	Inventory name	On inventory (yes/no)
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No

SECTION 16

OTHER INFORMATION

OTHER INFORMATION

Acronyms and abbreviations used

LD50	Lethal Dose, 50%
OECD	Organization for Economic Cooperation and Development
IARC	International Agency for Research on Cancer
ACGIH	American Conference of Industrial Hygienists
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
DOT	Department of Transportation
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
SARA	Superfund Amendments and Reauthorization Act
TSCA	Toxic Substances Control Act
CAS-No.	Chemical Abstract Services - Number
PPE	Personal Protective Equipment
HMIS	Hazardous Materials Identification System
NFPA	National Fire Protection Association
PPM	Parts Per Million

Hazard Rating System Crossover

HMIS Rating

Health Hazard:	1
Flammability:	0
Reactivity:	0

NFPA Rating

Health Hazard:	1
Flammability:	0
Reactivity:	0

Preparation information

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