

1. Identification

Product identifier	Aprehend®	PCP: 33745
Other means of identification	None.	
Recommended use	Insecticide	
Recommended restrictions	Read the approved PCPA label prior to using or handling the pest control product.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	ConidioTec LLC	
Address	2440 Earlstown Road, Suite 600 Centre Hall, Pa 16828 United States	
Telephone	1-800-891-8610	
Website	www.aprehend.com	
E-mail	Not available.	
Emergency phone number	1-800-891-8610 (8am-5pm)	
Supplier	See above.	

2. Hazard identification

Physical hazards	Flammable liquids	Category 4
Health hazards	Sensitization, skin	Category 1
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	Combustible liquid. May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

Precautionary statement

Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves, protective clothing, eye protection and face protection. Avoid breathing mist or vapour. Contaminated work clothing should not be allowed out of the workplace.
Response	In case of fire: Use appropriate media to extinguish. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
Storage	Store in a well-ventilated place. Store locked up.
Disposal	Dispose of container in accordance with local, regional, national and international regulations.

Other hazards None known.

Supplemental information Exempt - Registered product - (PCP 33745).
Classification in accordance with Canada WHMIS 2015 regulation. This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Beauveria bassiana Strain GHA		Not applicable	1-5*

Chemical name	Common name and synonyms	CAS number	%
Distillates (petroleum), light hydrotreated		Proprietary	Proprietary
Mineral oil		Proprietary	Proprietary

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments One or more of the components are being withheld as proprietary.

4. First-aid measures

Inhalation	If inhaled: 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	If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
Eye contact	If in eyes: Hold eye 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 eye. Call a poison control centre or doctor for treatment advice.
Ingestion	If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary oedema and pneumonitis. Headache. Nausea, vomiting. Diarrhoea. Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed. This product contains petroleum distillates. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia. Treat symptomatically.
General information	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	The product is combustible, and heating may generate vapours which may form explosive vapour/air mixtures. During fire, gases hazardous to health may be formed.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Combustible liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Use water spray to reduce vapours or divert vapour cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

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.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat and sources of ignition. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Keep out of reach of children. Store in a cool, dry place, out of direct sunlight. This product should be used within 12 months of the date of manufacture when stored at temperatures up to 25°C. Do not temporarily store this product in warm areas such as vehicles. A cooler box with an ice pack is recommended at temperatures above 27°C. To prevent contamination store this product away from food or feed.

8. Exposure controls/Personal protection

Occupational exposure limits**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Mineral oil (CAS Proprietary)	TWA	5 mg/m3	Inhalable fraction.

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Distillates (petroleum), light hydrotreated (CAS Proprietary)	TWA	200 mg/m3	Vapour.
Mineral oil (CAS Proprietary)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Distillates (petroleum), light hydrotreated (CAS Proprietary)	TWA	200 mg/m3	Non-aerosol.
Mineral oil (CAS Proprietary)	TWA	1 mg/m3	Mist.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value	Form
Mineral oil (CAS Proprietary)	TWA	5 mg/m3	Inhalable fraction.

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value	Form
Mineral oil (CAS Proprietary)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value	Form
Distillates (petroleum), light hydrotreated (CAS Proprietary)	15 minute	250 mg/m3	Vapour.

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value	Form
Mineral oil (CAS Proprietary)	8 hour	200 mg/m3	Vapour.
	15 minute	10 mg/m3	
	8 hour	5 mg/m3	
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Exposure guidelines			
Canada - Alberta OELs: Skin designation			
Distillates (petroleum), light hydrotreated (CAS Proprietary)		Can be absorbed through the skin.	
Canada - British Columbia OELs: Skin designation			
Distillates (petroleum), light hydrotreated (CAS Proprietary)		Can be absorbed through the skin.	
Canada - Saskatchewan OELs: Skin designation			
Distillates (petroleum), light hydrotreated (CAS Proprietary)		Can be absorbed through the skin.	
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		
Individual protection measures, such as personal protective equipment			
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Skin protection			
Hand protection	Wear waterproof gloves.		
Other	As required by employer code. 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.		
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).		
Thermal hazards	Not applicable.		
General hygiene considerations	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. When using do not eat or drink.		

9. Physical and chemical properties

Appearance	Liquid
Physical state	Liquid.
Form	Liquid.
Colour	Not available.
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	91.0 °C (195.8 °F) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.

Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.8027 @ 25°C
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	6.076 mm ² /s (cSt) @ 25°C
Other information	
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Mildly irritating to skin based on test data. May cause an allergic skin reaction.
Eye contact	Non-irritating based on test data.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. May cause stomach distress, nausea or vomiting.

Symptoms related to the physical, chemical and toxicological characteristics
Aspiration may cause pulmonary oedema and pneumonitis. Headache. Nausea, vomiting. Diarrhoea. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

Product	Species	Test Results
Aprehend®	PCP: 33745 (CAS Mixture)	
Acute Dermal		
LD50	Rat	> 5000 mg/kg, Tested
Inhalation		
LC50	Rat	> 5.1 mg/l/4h, Tested
Oral		
LD50	Rat	> 5000 mg/kg, Tested
Components	Species	Test Results
Distillates (petroleum), light hydrotreated (CAS Proprietary)		
Acute Dermal		
LD50	Rabbit	> 2000 mg/kg, ECHA > 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Cat	> 6.4 mg/L, 6 Hours, ECHA

Components	Species	Test Results
	Rat	> 7.5 mg/L, 6 Hours, ECHA > 5.3 mg/L, 4 Hours, ECHA > 4.3 mg/L, 4 Hours, ECHA > 0.1 mg/L, 8 Hours, ECHA
<i>Oral</i> LD50	Rat	> 20000 mg/kg, ECHA
Mineral oil (CAS Proprietary)		
Acute		
<i>Dermal</i> LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i> LC50	Rat	> 5.2 mg/L, 4 Hours, ECHA > 5 mg/L, 4 Hours, ECHA
<i>Oral</i> LD50	Rat	> 5000 mg/kg, ECHA
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitisation		
Respiratory sensitisation	Not a respiratory sensitizer.	
Skin sensitisation	May cause an allergic skin reaction.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	See below.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Mineral oil (CAS Proprietary)	Volume 33, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	May be fatal if swallowed and enters airways.	
Chronic effects	Prolonged inhalation may be harmful.	
Further information	Not available.	

12. Ecological information

Ecotoxicity This product contains aromatic petroleum distillates which are toxic to aquatic organisms. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Ecotoxicological data

Components	Species	Test Results
Distillates (petroleum), light hydrotreated (CAS Proprietary)		
Aquatic		
Fish	LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/L, 96 hours

Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Mobility in general	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Follow provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

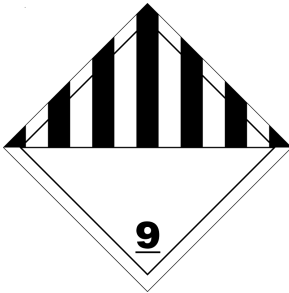
General	Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.
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Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	Distillates (petroleum), light hydrotreated
Hazard class	9
Packing group	III
Marine pollutant	Yes
Special provisions	16, 99

TDG



15. Regulatory information

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

Distillates (petroleum), light hydrotreated (CAS Proprietary)	1 TONNES
Mineral oil (CAS Proprietary)	1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

WHMIS classification

Exempt - Registered product - (PCP 33745)

Inventory status

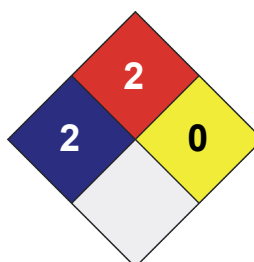
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	* 2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Issue date

05-May-2020

Revision date

05-May-2020

Version No.

01

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Disclaimer

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