

MATERIAL SAFETY DATA SHEET

Captain Phab Ltd.

In - Spec
Part #556

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: In-Spec **PRODUCT USE:** Insecticide
MANUFACTURER: Captain Phab Ltd. **SUPPLIER:** Captain Phab Ltd.
ADDRESS: 613 Neal Drive, Peterborough, Ontario, K9J 6X7 **ADDRESS:** 613 Neal Drive, Peterborough, Ontario, K9J 6X7
EMERGENCY : 1 888 228-4050 **EMERGENCY:** 1 888 228-4050

SECTION II: INGREDIENT INFORMATION

Ingredients	CAS#	Wt%	OSHA-TWA	ACGIH-TWA	LD ₅₀
PERMETHRIN (3-Phenoxyphenyl) methyl (±) cis-trans-3- (2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate.	52645-53-1	>0.2%	Not Established	Not Established	383 mg/kg (Oral/Rat)

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Eye, skin contact, ingestion.
Potential Health Effects:
Eyes: Causes irritation to the eyes.
Skin: Prolonged or repeated contact can cause irritation.
Inhalation: May cause nose, throat and respiratory tract irritation.
Ingestion: May cause irritation to mouth, esophagus and stomach. May cause gastric tract disorder and/or damage.
Chronic Effects
Carcinogenicity: No ingredients listed IARC or NTP or ACGIC. Non hazardous by WHMIS/OSHA criteria.
Teratogenicity, Mutagenicity, Reproductive Effects: The ingredients in this product were found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for chemical testing, sec.471).
Skin: Repeated or prolonged exposures to dilutions can cause drying, defatting and dermatitis.

SECTION IV: FIRST AID MEASURES

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.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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 center or doctor for treatment advice.**If swallowed:** Call a poison control center or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Vomiting should be supervised by a physician or the professional staff because of the possible pulmonary damages by aspiration of the product.

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SECTION V: FIRE FIGHTING MEASURES

Flammability:	Non flammable.
Flash Point deg (C,TCC) :	Not applicable.
Means of Extinction:	As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam.
Special Fire Hazards:	Fire fighters should wear self contained breathing apparatus as for surrounding fire.
Autoignition Temperature:	Not applicable.
Flame Propagation or Burning Rate of Solid:	Not applicable.
Sensitivity to Static Discharge:	Not applicable.
Unusual Fire and Explosion Hazards:	None expected. As per surrounding fire.
Hazardous Decomposition Products:	Oxides of carbon, oxides of nitrogen.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures:	Before attempting clean up, refer to the hazard data provided above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled container. For large quantities, dispose of in accordance with local, provincial/ state or federal regulations. For large spills prevent from entering sewers and waterways. For large spills provide diking to prevent spreading.
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SECTION VII: HANDLING AND STORAGE

Storage Requirements:	KEEP OUT OF REACH OF CHILDREN. Store in a closed container away from incompatible materials which include alkalies, oxidizing materials, reducing sugars and ammonia salts. Storage temperature C Ambient to 35 C (must be stored above 4 C at all times). Transport temperature C Ambient to 35 C (must be stored above 4 C at all times). Keep container closed. Handle and open container with care. Store in a well ventilated place away from incompatible materials. Do not store near open flame. Do not reuse empty containers.
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SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves:	Impervious gloves are recommended.
Eye Protection:	Splash goggles are recommended.
Respiratory Protection:	Not normally required if good ventilation is maintained.
Other Protective Equipment:	As required by employer code. Eye bath, safety shower, protective clothing.
Engineering Controls:	General ventilation normally required.

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SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C):	100	Specific Gravity (H₂O = 1):	1.02-1.03	Evaporation Rate (water=1):	Similar
% Volatile (Wt%):	> 90 %	Solubility in water:	Complete	pH (as supplied):	Not established
Physical State:	Liquid	Viscosity:	Water like	VOC:	0.0 %
Appearance / Odour:	Milky white solution with typical odour				

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable.
Incompatible Materials: Strong oxidizing agents, strong acids and alkalies.
Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen when heated.

SECTION XI: TOXICOLOGICAL INFORMATION

PERMETHRIN (52645-53-1).
LC50 (Inhalation): 485 mg/m³ (rat).
LD50 (Ingestion): 383 mg/kg (rat).
LD50 (Intraperitoneal): 429 mg/kg (mouse).
LD50 (Intravenous): 31 mg/kg (mouse).
LD50 (Skin): 1750 mg/kg (rat).
LD50 (Subcutaneous): 6600 mg/kg (rat).

SECTION XII: ECOLOGICAL INFORMATION

Ensure appropriate measures are taken to prevent this product from entering the environment. This pesticide is extremely toxic to fish and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water by cleaning equipment or disposal of wastes. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area.

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations. Metal containers: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local regulations. Plastic Jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrcycle.org/> for locations) or by reconditioning, or dispose of in a sanitary landfill, or, incineration, or, if allowed by state and local regulations, by burning. If burned, stay out of smoke. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law.

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SECTION XIV: TRANSPORTATION

T.D.G. Classification: Not regulated.
D.O.T. Classification: Not regulated.

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety

Regulations:

WHMIS Class:

OSHA & WHMIS:

Not WHMIS regulated - regulated Health Canada PCP.
MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations.

Environmental Regulatory Lists:

Toxic Substances Control Act (TSCA):

All ingredients are registered on the Chemical Substances Inventory.

Canadian Domestic Substance List

(DSL):

All ingredients are registered on the DSL.

SECTION XVI: OTHER INFORMATION

Date:	December 10, 2014	Prepared By:	Technical Services Group	Telephone:	1 888 228-4050
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST in Montreal, Quebec (514-873-3990).