

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273 or CHEMTREC 1-800-424-9300

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER:

TRADE NAME: PSPT 16%

1.2 RECOMMENDED USE: GROUP M FUNGICIDE

1.3 MANUFACTURED FOR AND DISTRIBUTED BY:

LOVELAND PRODUCTS CANADA, INC.
789 DONNYBROOK DRIVE • DORCHESTER, ONTARIO N0L 1G5

1.4 24 Hour Emergency Phone: (Chemtrec): 1-800-424-9300 (Toll Free) - Additional Emergency Phone 1-800-561-8273

Loveland Technical Service: 1-800-328-4678

U.S. Coast Guard National Response Center: 1-800-424-8802

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Acute Toxicity – Oral	Category 4	H302
-----------------------	------------	------

2.2 Label elements



Signal word: WARNING

Hazard Statement: H302 – Harmful if swallowed.

Precautionary

Statement: P264 – Wash hands thoroughly after handling.

(Prevention): P270 – Do not eat, drink or smoke when using this product.

Precautionary

Statement: P301+P312 – IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell.

(Response): P330 – Rinse mouth.

Precautionary

Statement: (Storage): Not required or applicable.

Precautionary

Statement: (Disposal): P501 – Dispose of contents/container in accordance with local, provincial and national regulations.

2.3 Other hazards

None known.



SAFETY DATA SHEET

SDS NUMBER: 24734.01-19-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 02/06/2019

PSPT 16%
SUPERSEDES: 09/13/2015

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name:	CAS No.	Concentration [%]
Mancozeb	8018-01-7	16.00
(Mancozeb equivalent)		3.20
(Zinc equivalent)		0.40
(ethylene bisdithiocarbamate equivalent)		12.40

Ingredients not listed are proprietary or non-hazardous

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

Skin contact:	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:	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.
Inhalation:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.
Ingestion:	Call a poison control centre 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: Harmful if swallowed. May be harmful if inhaled. May cause irritation of eyes, nose, throat and skin.

4.3 Immediate Medical Attention and Special Treatment

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

NOTES TO PHYSICIAN: No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient. Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Carbon dioxide (CO₂), foam, water fog, dry chemical, or other extinguishing media suitable for the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: oxides of sulfur, oxides of nitrogen, hydrogen sulfide, carbon disulfide, and other unknown hazardous material. Dusts may form explosive mixtures with air; avoid using heavy water streams.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



SAFETY DATA SHEET

SDS NUMBER: 24734.01-19-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 02/06/2019

PSPT 16%
SUPERSEDES: 09/13/2015

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Avoid breathing dusts. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Contain spilled material if possible and sweep up area using a dust suppressant agent that does not react with the product. Collect dust using a vacuum cleaner with a HEPA filter. Minimize dust generation. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Avoid contact with eyes, skin and clothing. Do not breathe dusts. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking and/or smoking.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store in a safe manner. Store in original container only. Store in a cool, dry place. Never allow this product to become wet during storage. Moisture may lead to chemical changes that reduce fungicidal activity and create vapors, which may be flammable. Do not contaminate water, food or feed by handling and storage or disposal. Keep away from fire or sparks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

Not normally required.

8.2 EXPOSURE CONTROLS:

Engineering Measures

Avoid breathing dusts. Provide adequate general and local exhaust ventilation. Provide eyewash station.

OCCUPATIONAL EXPOSURE LIMITS

Components	List	Type	Value
None listed			

Individual Protection Measures:

Eye / Face Protection: Face shield and tight fitting chemical goggles are recommended.

Skin Protection: Wear suitable protective clothing. Routinely wash work clothing and protective equipment to remove contaminants. The use of neoprene gloves is recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of dusts, use suitable respiratory equipment. Wear respiratory protection during operations where spraying or dusting occurs. Wear NIOSH-certified air-purifying respiratory protection with an N, P or R95 or HE class filter and organic vapour cartridge if necessary. Wear air supplied respiratory protection if exposure concentrations are unknown or if air-purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE:	Solid
ODOUR:	Virtually odourless.
ODOUR THRESHOLD:	No data available.
COLOUR:	Off-white to light brown.
pH:	No data available.
MELTING POINT / FREEZING POINT:	No data available / Freezing Point: 192 °C estimated (similar product).
BOILING POINT:	No data available.
FLASH POINT:	137.8 °C (closed cup) (estimated) (similar product).
FLAMMABILITY (solid, gas):	No data available.
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No data available.
VAPOUR PRESSURE:	0.00001 hPa (estimated) (similar product).
SOLUBILITY:	Insoluble.
PARTITION CO-EFFICIENT, n-OCTANOL / WATER:	No data available.
AUTO-IGNITION TEMPERATURE:	No data available.
DECOMPOSITION TEMPERATURE:	No data available.
VISCOSITY:	Not applicable.
SPECIFIC GRAVITY (Water = 1):	0.48 – 0.64 g/ml
DENSITY:	480 - 640 kg/m ³

Note: These physical data are typical values based on material tested but may vary from sample to sample.
Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable

10.2 CHEMICAL STABILITY

Stable under normal conditions. Unstable at elevated temperatures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Will not polymerize.

10.4 CONDITIONS TO AVOID

None known.

10.5 INCOMPATIBLE MATERIALS

Acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Combustion products may include and are not limited to: oxides of sulfur, oxides of nitrogen, hydrogen sulfide, carbon disulfide, and other unknown hazardous material.

11. TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Ingestion. Inhalation. Skin contact, eye contact.

LC₅₀ (rat): > 5.14 mg/L (4 HR).

LD₅₀ Oral (rat): 4500 mg/kg

LD₅₀ Dermal (rat): > 5000 mg/kg

Acute Toxicity Estimates: No data available

Skin Irritation (rabbit): Mild irritant

Eye Irritation (rabbit): Causes substantial but temporary eye injury.

Specific Target Organ Toxicity: No data available.

Aspiration: No data available.

Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenicity: No data available.

Germ Cell Mutagenicity: No data available

Interactive Effects: None known.



SAFETY DATA SHEET

SDS NUMBER: 24734.01-19-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 02/06/2019

PSPT 16%
SUPERSEDES: 09/13/2015

12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Drift or runoff may adversely affect non-target plants.
Do not apply directly to water.
Do not contaminate water when disposing of equipment wash water.
Do not apply when weather conditions favor drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

12.4 MOBILITY IN SOIL

No data available.

12.5 OTHER ADVERSE EFFECTS

Assessment: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Do not reuse empty bag. Completely empty bag into application equipment. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the 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 spill, and for clean-up of spills. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

14.1 LAND TRANSPORT

TDG Shipping Description: NOT REGULATED

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

NFPA & HMIS Hazard Ratings:

NFPA

2	Health	0	Least
0	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

HMIS

2	Health
0	Flammability
0	Reactivity
X	PPE



SAFETY DATA SHEET

SDS NUMBER: 24734.01-19-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 02/06/2019

PSPT 16%
SUPERSEDES: 09/13/2015

CEPA – Domestic Substances List (DSL): All substances in this product are listed on the DSL or not required to be listed

Hazardous Products Act Information: CPR Compliance: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Classification: Exempt.

National Fire Code of Canada: Not applicable.

16. OTHER INFORMATION

SDS STATUS: Format revised.

PREPARED BY: Product Stewardship and Regulatory Affairs

REVIEWED BY: Safety, Health and Environment

PCP (Pest Control Products Act) Registration No. 24734.01

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS CANADA, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.