



Section 1: IDENTIFICATION

Product Name: Landscape Oil

Synonyms: Mineral Oil 99%.

Product Use: Spray Emulsifiable Insecticide.
PCP Registration No. 28124

Restrictions on Use: Not available.

Manufacturer/Supplier: Plant Products Inc.
50 Hazelton Street
Leamington, Ontario N8H 1B8

Phone Number: 519-326-9037
Toll free number 1-800-387-2449 (English)
Toll free number 1-800-361-9184 (French)

Emergency Phone: CANUTEC: 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666
on a cellular phone

Date of Preparation of SDS: December 19, 2016

Section 2: HAZARD(S) IDENTIFICATION

GHS INFORMATION

Classification: Aspiration Hazard, Category 1

LABEL ELEMENTS

Hazard

Pictogram(s):



Signal Word: Danger

Hazard Statements: May be fatal if swallowed and enters airways.

Precautionary Statements

Prevention: Not applicable.

Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Do NOT induce vomiting.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

Hazards Not Otherwise Classified: Not applicable.

Ingredients with Unknown Toxicity: None.

This material is considered hazardous by the Hazardous Products Regulations.



Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	Common name / Synonyms	CAS No.	% wt./wt.
Distillates (petroleum), solvent-dewaxed light paraffinic	Not available.	64742-56-9	95 - 100
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Not available.	64742-65-0	0 - 5
Poly(oxy-1,2-ethanediyl), .alpha.-dodecyl-.omega.-hydroxy-	Dodecyl alcohol, ethoxylated	9002-92-0	0 - 2

Section 4: FIRST-AID MEASURES

- Inhalation:** If inhaled: Call a poison center or doctor if you feel unwell.
Acute and delayed symptoms and effects: Vapours and/or mists which may be formed at elevated temperatures may be irritating. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
- Eye Contact:** If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell. For contact with heated product, flush immediately with plenty of cool water for at least 15 minutes. Immediately call a poison center or doctor.
Acute and delayed symptoms and effects: Slightly irritating to the eyes. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. Hot liquid product may cause serious thermal burns on direct contact.
- Skin Contact:** If on skin: Wash with plenty of water. Call a poison center or doctor if you feel unwell. For contact with heated product, flush immediately with plenty of cool water for at least 15 minutes. Immediately call a poison center or doctor.
Acute and delayed symptoms and effects: May cause skin irritation. May cause skin dryness and defatting of the skin. Signs/symptoms may include localized redness, swelling, and itching. Hot liquid product may cause serious thermal burns on direct contact.
- Ingestion:** If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.
Acute and delayed symptoms and effects: May be fatal if swallowed and enters airways. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.



Section 5: FIRE-FIGHTING MEASURES

FLAMMABILITY AND EXPLOSION INFORMATION

Not flammable or combustible by WHMIS criteria. Product will burn if involved in a fire.

Sensitivity to Mechanical Impact: This material is not sensitive to mechanical impact.

Sensitivity to Static Discharge: This material is sensitive to static discharge at temperatures at or above the flash point.

MEANS OF EXTINCTION

Suitable Extinguishing Media: Small Fire: Dry chemical, CO₂, water spray or regular foam.

Large Fire: Water spray, fog or regular foam. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media: Do not spray water onto burning product as this may cause spattering and spreading of the flame.

Products of Combustion: Oxides of carbon.

Protection of Firefighters: Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Personal Precautions: Do not touch or walk through spilled material. Use personal protection recommended in Section 8.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways.

Methods for Containment: Stop leak if without risk. Do not flush to sewer or allow to enter waterways.

Methods for Clean-Up: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Other Information: See Section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE

Handling:

Do not swallow. Do not breathe mist, vapours, or spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Grounding of containers/pouring equipment is necessary when transferring hot liquid product. Follow all SDS/label precautions even after container is emptied because it may contain product residue. See Section 8 for information on Personal Protective Equipment.



Storage:

Protect from sunlight. Store in a cool, well-ventilated place. Keep container tightly closed. Store locked up. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component

- Distillates (petroleum), solvent-dewaxed light paraffinic [CAS No. 64742-56-9]
 - ACGIH:** 5 mg/m³ (TWA); A4 (2009); For Mineral oil, excluding metal working fluids; Pure, highly and severely refined
 - OSHA:** 5 mg/m³ (TWA); For Oil mist, mineral.
- Distillates (petroleum), solvent-dewaxed heavy paraffinic [CAS No. 64742-65-0]
 - ACGIH:** 5 mg/m³ (TWA); A4 (2009); For Mineral oil, excluding metal working fluids; Pure, highly and severely refined
 - OSHA:** 5 mg/m³ (TWA); For Oil mist, mineral.
- Dodecyl alcohol, ethoxylated [CAS No. 9002-92-0]
 - ACGIH:** No TLV established.
 - OSHA:** No PEL established.

PEL: Permissible Exposure Limit
TLV: Threshold Limit Value
TWA: Time-Weighted Average

Engineering Controls: Not normally required.

PERSONAL PROTECTIVE EQUIPMENT (PPE)



- Eye/Face Protection:** Wear chemical safety goggles. Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA-Z94.3-92 for Personal Protective Equipment.
- Hand Protection:** Wear protective gloves. Neoprene, nitrile or Viton® gloves are recommended. If product is hot, thermally protective gloves are recommended. Consult manufacturer specifications for further information.
- Skin and Body Protection:** Wear protective clothing. Clothing with full length sleeves and pants should be worn.
- Respiratory Protection:** If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard CAN/CSA-Z94.4-11, with organic vapor cartridge, or self-contained



breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices. Consult a competent industrial hygienist to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid.
Colour:	Colourless.
Odour:	Slight petroleum.
Odour Threshold:	Not available.
Physical State:	Liquid.
pH:	Not available.
Melting Point / Freezing Point:	-15 °C (5 °F) (Pour Point)
Initial Boiling Point:	318 °C (604.4 °F) (ASTM D2887)
Boiling Range:	318 to 363 °C (604.4 to 685.4 °F) (ASTM D2887)
Flash Point:	172 °C (341.6 °F) (ASTM D9)
Evaporation Rate:	Not available.
Flammability (solid, gas):	Not applicable.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	0.00011 kPa (0.0008 mmHg) at 20 °C (68 °F)
Vapor Density:	Not available.
Relative Density:	0.85 (Water = 1) at 16 °C (60.8 °F) (ASTM D1298)
Solubilities:	Miscible in water.
Partition Coefficient: n-Octanol/Water:	Not available.
Auto-ignition Temperature:	343 °C (649.4 °F) (ASTM D2155)
Decomposition Temperature:	Not available.
Viscosity:	12 cSt at 40 °C (104 °F) 69 SUS at 37.8 °C (100 °F)
Percent Volatile, wt. %:	Not available.



VOC content, wt. %: Not available.

Density: 0.85 g/cm³ at 15 °C (59 °F) (ASTM D1250)

Coefficient of Water/Oil Distribution: Not available.

Section 10: STABILITY AND REACTIVITY

Reactivity: Contact with incompatible materials. Sources of ignition. Exposure to heat.

Chemical Stability: Stable under normal storage conditions.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: Contact with incompatible materials. Sources of ignition. Exposure to heat.

Incompatible Materials: Oxidizers.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition products may include the following materials: Carbon dioxide, Carbon monoxide and other asphyxiants.

Section 11: TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE

Product Toxicity

Oral: Not available.

Dermal: Not available.

Inhalation: Not available.

Component Toxicity

Component	CAS No.	LD ₅₀ oral	LD ₅₀ dermal	LC ₅₀
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 5.53 mg/L (rat); 4H
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 5.53 mg/L (rat); 4H
Dodecyl alcohol, ethoxylated	9002-92-0	1000 mg/kg (rat)	> 2000 mg/kg (rabbit)	Not available.

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory system.



Symptoms (including delayed and immediate effects)

- Inhalation:** Vapours and/or mists which may be formed at elevated temperatures may be irritating. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
- Eye:** Slightly irritating to the eyes. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. Hot liquid product may cause serious thermal burns on direct contact.
- Skin:** May cause skin irritation. May cause skin dryness and defatting of the skin. Signs/symptoms may include localized redness, swelling, and itching. Hot liquid product may cause serious thermal burns on direct contact.
- Ingestion:** May be fatal if swallowed and enters airways. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Skin Sensitization: Not available.

Respiratory Sensitization: Not available.

Medical Conditions Aggravated By Exposure: Not available.

EFFECTS OF CHRONIC EXPOSURE (from short and long-term exposure)

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory system. Blood. Bone marrow. Liver. Lymphoid tissue.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Carcinogenicity: The mineral oils in the product contain < 3% DMSO extract (IP 346). Not considered to be carcinogenic. This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, IARC, OSHA, or NTP.

Mutagenicity: Not available.

Reproductive Effects: Not available.

Developmental Effects

Teratogenicity: Not available.

Embryotoxicity: Not available.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

- Ecotoxicity:**
 - Distillates (petroleum), solvent-dewaxed light and heavy paraffinic:**
Acute EC50 >100 mg/L, Algae, 72 hours
Acute EC50 >100 mg/L, Daphnia, 48 hours
Acute EC50 >100 mg/L, Fish, 96 hours
 - Dodecan-1-ol, ethoxylated:**
Acute LC50 6460 µg/l, Fresh water, Daphnia magna, 48 hours
Acute LC50 1500 µg/l, Fresh water, Salmo salar – Parr, 96 hours



Persistence / Degradability: Considered to be inherently biodegradable.

Bioaccumulation / Accumulation: Constituents show measured or predicted values for log Kow from 2 to ≥ 6 and are considered potentially bioaccumulative.

Mobility in Environment: Not available.

Other Adverse Effects: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Section 14: TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods (TDG)

Proper Shipping Name: Not regulated.

Class: Not applicable.

UN Number: Not applicable.

Packing Group: Not applicable.

Label Code: Not applicable.

Section 15: REGULATORY INFORMATION

Chemical Inventories

Canada (DSL)

This product contains a registered pesticide regulated under the Pest Control Products Act (PCPA). All other substances are in compliance with the Canadian Environmental Protection Act (CEPA, 1999).

Section 16: OTHER INFORMATION

Other information: PCP Registration No. 28124

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

Date of Preparation of SDS: December 19, 2016

Version: 1.0

GHS SDS Prepared by: **Aegis Regulatory Inc.**
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