

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

M78060

Trade Name: PHT Crop Oil Concentrate
Registration No: None

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured For: Plant Health Technologies
PO Box 70013
Boise, ID 83707
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: PHT Crop Oil Concentrate
Common Name: Paraffinic Spray Oil
Chemical Type: Hydrocarbon

SECTION 2 COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous Non-Hazardous	STEL	TWA
Isopropyl Alcohol	67-63-0	C ₃ H ₈ O	<15%	Not listed	Not listed
Paraffin Base Petroleum Oil	Not available	Not available	83%	10 mg/m ³	5 mg/m ³ (MSHA, OSHA, ACGIH)
Alkanoic Acids and Mono and Dihydrogen Phosphate Esters	Not available	Not available	16%	Not established	Not established

SECTION 3 HAZARDS IDENTIFICATION

Ingestion: While this material alone has a low degree of toxicity in small amounts, when ingested in large quantities, drowsiness, stomach cramps and diarrhea may occur.

Inhalation: While this material in itself has a low degree of toxicity, breathing high concentrations of vapor or mist may cause aggravation of the nose, throat and respiratory tract.

Eye Contact: May cause eye discomfort. Direct contact with liquid or exposure to vapors or mist may cause stinging, tearing or redness.

Skin Absorption: No harmful effects have been demonstrated in skin absorption studies.

Skin Contact: May cause skin aggravation. Prolonged or repeated exposure may cause redness and burning.

SECTION 4 FIRST AID MEASURES

Ingestion: If swallowed, do not induce vomiting. Call a physician immediately.

Inhalation: If respiratory symptoms develop, move victim from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately being artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Eyes: Move victim from exposure. Flush eyes with clean water for at least 15 minutes. Seek medical attention.

Skin: Remove contaminated shoes and clothing. Clean affected areas thoroughly by washing with mild soap and water. If aggravation or redness develop and persist, seek medical attention.

Note to Physician: Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipid pneumonia) that may progress to pulmonary fibrosis. Symptoms often are subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, aggravation of the upper respiratory tract, shortness of breath with exertion, fever and bloody sputum occur. Inhalation exposure to oil mist below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Extinguish with dry chemical, CO₂, Halon, water spray, foam, sand or earth. Water and foam may cause frothing.

Special Fire Fighting Procedures: Wear appropriate protective equipment including respirator protection as conditions warrant (see Section 8). Stop spill/release if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposure to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

Unusual Fire and Explosion Hazards: This material may burn, but will not ignite readily. If container is not properly cooled, it may explode in the heat of the fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

May ignite. Keep all sources of ignition away from spill/release. Stay upwind and away from spill/release. Isolate hazard area and limit entry to authorized personnel. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8). Prevent spilled material from entering sewer, storm drains, other unauthorized treatment drainage systems and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. If spill of any amount is made into or upon U.S. navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center (1-800-424-8802.)

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling and storing:

Use and store in cool, dry, well-ventilated areas away from heat and all sources of ignition. Keep container(s) closed. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276. The use of respiratory protection is advised when concentrations exceed any established exposure limits (see Section 8). Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practices. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this product, refer to Occupational Safety and Health Administration regulations, ANSI 249.1 and other governmental and industrial references pertaining to

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cleaning, repairing, welding or other contemplated operations. Extended exposure to high temperatures may cause decomposition.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

Respiratory Protection: The use of respiratory protection is advised when concentrations exceed the established exposure limits. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters or supplied air equipment.

Protective Clothing: The use of gloves and clothing impermeable to the specific material handled is advised to prevent skin contact and possible aggravation. A source of clean water in the work area is suggested for flushing eyes and skin.

Eye Protection: Approved eye protection to safeguard against potential eye contact, aggravation or injury is recommended.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>212°F	Solubility in Water:	Not listed
Density:	7.37 lbs/gal	% Volatiles (by volume):	<1
Flashpoint:	Not listed	Vapor Pressure, mm Hg:	Not listed
pH:	Not listed	Reaction with Water:	Water may cause frothing.
Appearance:	Clear amber liquid with slight odor.		
Extinguishing Media:	Extinguish with dry chemical, CO ₂ , Halon, water spray, foam, sand or earth.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable under normal storage and handling conditions.

Conditions to Avoid: Avoid excessive heat, excessive cold or open flame. Do not use this product when temperatures are above 90F (32C).

Incompatibility (Material to Avoid): Do not use with insecticides or fungicides incompatible with oil. Avoid strong oxidizers such as ethylene oxide, bromine and hydrogen peroxide-sulfuric acid mixture. Do not combine with sulfur spray.

Hazardous Decomposition Products: Combustion may yield major amounts of oxides or carbon and minor amounts of oxides of sulfur or nitrogen.

Hazardous Polymerization: Will not occur

SECTION 11

TOXICOLOGY INFORMATION

None listed.

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Dispose of in accordance with local, state and federal regulations.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not applicable	C.A.S. Number:	See "Ingredients"
Hazard Class:	Not regulated	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15

REGULATORY INFORMATION

Carcinogenicity: by IARC?: Yes () No () by NTP?: Yes () No ()

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	>385°F (196°C)	Flammable Limits	LOWER	UPPER
Autoignition Temperature:		(% BY VOLUME)	NA	NA

NFPA Rating Health: 0 Fire: 0 Reactivity: 0 Specific Hazards: NA
This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association.

MSDS Version Number: 3

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