

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

Trade Name: PHT Persist® Ultra
Registration No: WA Reg. No. 7001-0202

M77333

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

| | | | |
|------------------------------------|---|-----------------------|--|
| Manufacturer or Formulator: | J.R. Simplot Company P.O. Box 70013 Boise, ID 83707 | Product Name: | PHT Persist® Ultra |
| | | Common Name: | PHT Persist® Ultra |
| Emergency Phone - Chemtrec: | 1-800-424-9300 | Chemical Type: | Blend of Methyl Esters and Emulsifiers |

SECTION 2 COMPOSITION INFORMATION

| Chemical Name and Synonyms NONE | C.A.S. No. | Chemical Formula | WT% Hazardous | TLV | PEL |
|--|-------------|------------------|-----------------------|---------------------------------|------------|
| | | | Non Hazardous 100% | | |
| This product is a blend of the following non-hazardous ingredients | | | | | |
| Canola Methyl Ester | 67762-38-3 | not listed | | 5 mg/m ³ as oil mist | not listed |
| Nonionic Surfactants | proprietary | not listed | | not listed | not listed |
| N-Butanol | 71-36-3 | not listed | | 100 ppm (TLV) | not listed |

SECTION 3 HAZARD IDENTIFICATION

Ingestion: May cause nausea, abdominal discomfort, vomiting, diarrhea and mucosal irritation.
Inhalation: Aspiration during vomiting may cause lung injury.
Eye Contact: Prolonged contact may cause irritation or reddening
Skin Absorption: Not normally absorbed through the skin.
Skin Contact: May cause irritation

SECTION 4 FIRST AID MEASURES

Ingestion: **Do not induce vomiting unless directed to do so by medical personnel.** Never give fluids or force vomiting if the person is unconscious, is having convulsions or has no gag reflex. Seek immediate medical attention.
Inhalation: Move individual to fresh air. If breathing is difficult, give oxygen, or if not breathing, give artificial respiration. Seek medical attention.
Eyes: Check for and remove contact lenses. Immediately flush eyes with water for at least 15 minutes. Cold water may be used. Seek immediate medical attention.
Skin: Immediately remove contaminated clothing and wash affected area with plenty of soap and water. Cold water may be used. Seek medical attention if irritation occurs.
Notes to Physician: Overexposure may result in the absorption of potentially harmful amounts leading to kidney and liver effects.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, dry chemical, foam or CO₂.
Special Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
Unusual Fire and Explosion Hazards: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers.
Steps to be taken in case material is released or spilled: Evacuate the spill area, except for cleanup personnel. Wear NIOSH/OSHA-approved respirator and protective equipment as referenced in Section 8 below. Control spill with adsorbent pads or booms. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal. Product is slippery under foot; flush smooth surfaces thoroughly. See Section 13 for disposal considerations. This product is classified as oil under Section 311 of the Clean Water Act. Discharge to surface waters that cause sheen must be reported to the National Response Center (800-424-8802).

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling: Keep away from heat, sparks and flame. Keep container closed. Wear appropriate equipment and clothing to prevent eye contact and repeated or prolonged skin contact as referenced in Section 8 below. Use in areas with adequate mechanical exhaust ventilation, or wear respirator
Precautions to be taken in storing: Store in original container only. Store in a well-ventilated, cool, dry, and secure area. Do not store near feed or food. Keep away from children. Keep separate from other products to prevent cross contamination. Clean up spilled material immediately.

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Provide local or general ventilation to keep dust below ACGIH nuisance dust limit of 10 mg/m³. Applicators should stand up-wind if excess dust is observed.
Respiratory Protection: Not required under normal use conditions with good ventilation. Protect against spray mists. Respirator recommended in areas of poor ventilation.
Protective Clothing: Wear chemical-resistant gloves, long-sleeved shirt, pants, socks and shoes to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.
Eye Protection: Wear splash-proof chemical safety goggles. Contact lenses should not be worn when working with chemicals.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------|--|---------------------------------|----------------|
| Boiling Point: | Not applicable | Solubility in Water: | Complete |
| Specific Gravity: | 0.9038 @ 68 F (7.539 lbs/gal) | % Volatiles (by volume): | Not applicable |
| Flashpoint: | Non-flammable | Vapor Pressure, mm Hg: | Not applicable |
| pH: | 6-7 ± .05 | Reaction with Water: | None |
| Appearance: | Amber colored oil liquid with characteristic odor. | | |
| Extinguishing Media: | Use media suitable to extinguish source of fire. | | |

SECTION 10 STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable under normal conditions
Conditions to Avoid: Freezing or other extreme temperatures
Incompatibility (Material to Avoid): Keep away from strong oxidizers such as liquid chlorine or sodium hypochlorite (explosion hazard).
Hazardous Decomposition Products: Carbon oxides and other substances
Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGY

None Listed.

SECTION 12 ECOLOGICAL INFORMATION

None Listed.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Dispose of material in compliance with applicable federal, state and local environmental regulations. Recycle or rework material if at all possible. Incinerate material at an approved facility, or treat at an acceptable waste treatment facility or municipal waste treatment plant after proper testing and approval of waste samples.

SECTION 14 TRANSPORT INFORMATION

| | | | |
|----------------------------------|--|-----------------------|-------------------|
| Shipping name: | Combustible Liquid, N.O.S. (contains butanol), Combustible, NA1993, P.G. III | | |
| Hazard Class: | Combustible | C.A.S. Number: | See "Ingredients" |
| Reportable Quantity (RQ): | n-butanol (5,000#) | D.O.T. Number: | NA 1993 |
| Labels Required: | Combustible | Haz Waste No: | None |
| Placard: | Combustible (for containers > 119 gal capacity) | EPA Regist No: | None |

SECTION 15 REGULATORY INFORMATION

Carcinogenicity: by IARC? Yes () No (X) by NTP? Yes () No (X)
SARA Title III Section 313 – contains n-butanol

SECTION 16 OTHER INFORMATION

| | | | | |
|-----------------------------------|----------------|-------------------------|--------------|--------------|
| Flash Point (Test Method): | Non-flammable | Flammable Limits | LOWER | UPPER |
| Autoignition Temperature: | Not applicable | (% BY VOLUME) | N/A | N/A |

MSDS Version Number: 4 (revisions to Section 9)

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