

# Material Safety Data Sheet

## J. R. Simplot Company

### AgriBusiness

Trade Name: PHT Ad-Wet 90 CA  
CA Registration No: 7001-50005

M77335

#### SECTION 1

#### CHEMICAL PROPERTIES AND COMPANY INFORMATION

Manufacturer or Formulator: J.R. Simplot Company  
P.O. Box 70013  
Boise, ID 83707

Product Name: PHT Ad-Wet 90 CA  
Common Name: Ad-Wet  
Chemical Type: Nonionic Surfactant

Emergency Phone - Chemtrec: 1-800-424-9300

#### SECTION 2

#### COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%	TLV	PEL
Ethanol, 2, 2-oxybis	111-46-6	not listed	<b>Hazardous</b> 10-20%	Not listed	Not listed
Emulsifiers, water & inerts			<b>Non-Hazardous</b> balance	Not listed	Not listed

#### SECTION 3

#### HAZARDS IDENTIFICATION

**Ingestion:** Harmful if swallowed. Can enter lungs and cause damage. May cause dizziness and drowsiness. Aspiration hazards, if swallowed. This product is not to be used in food, cosmetic or potable water applications. Product contains ethylene glycol and/or diethylene glycol, which is toxic when swallowed.

**Inhalation:** Excessive vapors or mist in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas, may cause aggravation to the nose and throat, headache, nausea and drowsiness.

**Eye Contact:** May cause severe aggravation.

**Skin Contact:** Short and long term exposure can aggravate and cause redness and swelling.

**Effects of Overdose:** The above listed potential effects of exposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Overexposure to any chemical may result in enhancement of pre-existing adverse medical conditions and allergic reactions.

#### SECTION 4

#### FIRST AID MEASURES

**Ingestion:** If victim is conscious and can swallow, give two glasses of water (16 oz). Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs, give fluids again. Have a physician determine if condition of person will permit induction of vomiting or evacuation of stomach.

**Inhalation:** If discomfort, headache, nausea or drowsiness occur, remove to fresh air. Get medical attention if breathing becomes difficult or discomfort persists. Give CPR if required.

**Eyes:** Flush eyes with water for 15 minutes. Get medical attention if discomfort persists.

**Skin:** Wash skin with soap and water. Do not use solvents. Get medical attention if discomfort develops or persists.

#### SECTION 5

#### FIRE FIGHTING MEASURES

**Extinguishing Media:** According to NFPA guide, use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and provide protection for persons attempting to stop the leak.

**Special Fire Fighting Procedures:** Use water spray to cool fire-exposed surfaces and to protect personnel. Respiratory protection required for fire fighting personnel. Stay upwind if possible. Cool exposed tanks with water.

**Unusual Fire and Explosion Hazards:** None listed.

#### SECTION 6

#### ACCIDENTAL RELEASE MEASURES

**Environmental Precautions:** Avoid discharge to natural waters as concentrated material is highly toxic to fish.

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

Material should be collected and disposed of in a proper manner. Do not contaminate water, food or feed by storage or disposal. Wear suitable protective equipment. Dispose in accordance with all federal, state and local regulations.

#### SECTION 7

#### HANDLING AND STORAGE

**Precautions to be taken in handling and storing:**

Empty containers can be hazardous if used to store toxic, flammable or reactive material. Do not use with aluminum equipment at temperatures above 120°F. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flames or heat. Keep containers in cool storage place with closed drum bungs. Keep out of the reach of children.

#### SECTION 8

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation Protection:** Adequate ventilation should be satisfactory.

**Respiratory Protection:** None required for normal use.

**Protective Clothing:** Clean work clothing; chemical resistant gloves.

**Eye Protection:** Chemical splash goggles or a face shield.

**Other:** Full body protective suit, eye wash and safety shower.

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## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	Not applicable	<b>Solubility in Water:</b>	Soluble
<b>Specific Gravity:</b>	1.056 (+/- 0.05)	<b>% Volatiles (by volume):</b>	< 15%
<b>Flashpoint:</b>	> 200°F	<b>Vapor Density:</b>	>1 (air =1)
<b>pH:</b>	5.5 to 6.5	<b>Reaction with Water:</b>	Not applicable
<b>Appearance:</b>	Amber liquid; mild odor.		
<b>Extinguishing Media:</b>	Water spray, dry chemical, foam or carbon dioxide.		

## SECTION 10

## STABILITY AND REACTIVITY

<b>Stability (Normal Conditions):</b>	Stable
<b>Conditions to Avoid:</b>	High temperatures.
<b>Incompatibility (Material to Avoid):</b>	Strong oxidizing agents such as hydrogen peroxide, bromine and chromic acid.
<b>Hazardous Decomposition Products:</b>	Heating in air may produce aggravating aldehydes, acids and ketones.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Subject to Heat:</b>	Toxic levels of carbon monoxide, carbon dioxide, aggravating aldehydes and ketones may be formed on burning.

## SECTION 11

## TOXICOLOGY INFORMATION

None listed.

## SECTION 12

## ECOLOGICAL INFORMATION

None listed.

## SECTION 13

## DISPOSAL CONSIDERATIONS

**Waste Disposal Procedures:** Disposal should be in accordance to all federal, state and local regulations.

## SECTION 14

## TRANSPORT INFORMATION

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

## SECTION 15

## REGULATORY INFORMATION

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

Not on the 302 list of SARA reportable quantities.

## SECTION 16

## OTHER INFORMATION

<b>Flash Point (Test Method):</b>	>200°F	<b>Flammable Limits</b>	<b>LOWER</b>	<b>UPPER</b>
<b>Autoignition Temperature:</b>	not listed	(% BY VOLUME)	N/A	N/A
<b>Hazard Rating (N.F.P.A.):</b>	<b>Health: 2</b>	<b>Fire: 1</b>	<b>Reactivity: 0</b>	<b>Specific: Not applicable</b>

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 (N.F.P.A.).

MSDS Version Number: 2

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Reviewed by: Environmental, Health, & Safety Department  
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