

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

Trade Name: PHT Soilcal
Registration No: None

M77095

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured for: J.R. Simplot Company
P.O. Box 70013
Boise, ID 83707

Product Name: PHT Soilcal
Common Name: Calcium Dichloride
Chemical Type: Calcium Dichloride

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

SECTION 2

COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed			Non-Hazardous		
A blend on non-hazardous ingredients:			100%		
Water	7732-18-5	H ₂ O		Not established	Not established
Calcium Dichloride	10043-52-4	CaCl ₂		Not established	Not established

SECTION 3

HAZARDS IDENTIFICATION

Ingestion: Ingestion may cause nausea, vomiting and abdominal distress.
Inhalation: Inhalation of mist may cause aggravation of the respiratory tract.
Eye Contact: Mist and liquid may cause discomfort to the eyes.
Skin Absorption: Exposure to mist or liquid may cause aggravation to the skin.
Skin Contact: Exposure to mist or liquid may cause aggravation to the skin.
Effects of Overdose: Inhalation of mist may cause aggravation of the respiratory tract. Skin or eye exposure to mist or liquid may cause discomfort. Ingestion may cause abdominal distress. No known chronic effects.

SECTION 4

FIRST AID MEASURES

Ingestion: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have patient drink several glasses of water, then induce vomiting by having patient tickle back of throat with finger. Keep airway clear. GET MEDICAL ATTENTION IMMEDIATELY.
Inhalation: If symptoms develop, get person out of contaminated area to fresh air.
Eyes: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. GET MEDICAL ATTENTION.
Skin: Remove contaminated clothing and shoes. Wash thoroughly with soap or mild detergent. Wash clothing before reuse. IF AGGRAVATION OCCURS, GET MEDICAL ATTENTION.

SECTION 5

FIRE FIGHTING MEASURES

Extinguishing Media: Use agent suitable for surrounding fire.
Special Fire Fighting Procedures: Wear appropriate protective equipment and approved respirator.
Unusual Fire and Explosion Hazards: None known.

SECTION 6

ACCIDENTAL RELEASE MEASURES

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

Wear protective equipment. Contain spill by dike to prevent flow to sewers or streams. Pump into marked containers for reclamation or disposal. Soak up spills with absorbent material. If possible, clean up spill area without water and then flush with plenty of water.

SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing:

Store in a clean, dry area and keep containers or tanks covered to prevent contamination from foreign material. Store away from incompatible materials.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Ventilation is not usually required for Calcium Chloride solutions. Avoid creation of mist or spray. If present, provide local exhaust systems and wear approved respiratory protection if airborne exposure is possible.
Respiratory Protection: Provide mist protection where applicable. Use approved respirators.
Protective Clothing: Use impervious rubber, neoprene or vinyl gloves.
Eye Protection: Use chemical goggles and face shield where appropriate.
Other: Eye wash and emergency shower should be in close proximity.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	@ 760 mm Hg: 115.5°C (240°F)	Solubility in Water:	Infinite
Density:	11.2 lbs/gal	% Volatiles (by volume):	Not listed
Flashpoint:	Not listed.	Vapor Pressure, mm Hg:	9 mm @ 20°C
pH:	6.0 – 9.0	Reaction with Water:	Not listed
Appearance:	Colorless to light yellow or amber liquid.		
Extinguishing Media:	Use agent suitable for surrounding fire.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable
Incompatibility (Material to Avoid):	Strong oxidizing agents.
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Does not occur under normal temperatures and pressures.
Conditions to Avoid:	None

SECTION 11

TOXICOLOGY INFORMATION

Ingestion: Acute Oral LD₅₀ (rat): 1000 mg/kg for calcium dichloride.

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Submit to an approved chemical disposal service for disposal in accordance with federal, state and local regulations.
DO NOT FLUSH TO SEWER.

SECTION 14

TRANSPORT INFORMATION

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

Calcium Chloride is not classified as a hazardous material under regulations of the Hazardous Materials Transportation Act. DOT labels, placards and markings are not required.

SECTION 15

REGULATORY INFORMATION

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

SECTION 16

OTHER INFORMATION

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

N.F.P.A. (National Fire Prevention Association) Hazard Rating:
Health: 1 Fire: 0 Reactivity: 0 Specific: Not applicable

MSDS Version Number: 6 (revisions to Section 2)

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