

## ACERnt 23-4-9

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	ACERnt 23-4-9
<b>Other Means of Identification</b>	11420
<b>Product Family</b>	ACER/ACERnt Controlled Release Fertilizer
<b>Recommended Use</b>	Controlled Release Fertilizer for Plants.
<b>Manufacturer</b>	Master Plant-Prod Inc., 314 Orenda Rd. , Brampton, Ontario, Canada, L6T 1G1
<b>Emergency Phone No.</b>	CANUTEC, 1-613-996-6666, 24 Hours
<b>Date of Preparation</b>	November 13, 2014

### SECTION 2. HAZARD IDENTIFICATION

**Classification**

Not classified under any hazard class.

**Label Elements**

Not applicable

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Potassium nitrate	7757-79-1	7-10	
Ammonium nitrate	6484-52-2	5-10	

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures****Inhalation**

Remove source of exposure or move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Get medical advice or attention if you feel unwell or are concerned.

**Skin Contact**

Avoid direct contact. Wear chemical protective clothing if necessary. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

**Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

**Ingestion**

Immediately call a Poison Centre or doctor. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Use flooding quantities of water spray or fog.

### Specific Hazards Arising from the Product

Do not inhale decomposition fumes. Oxidizer. May intensify fire.

### Special Protective Equipment and Precautions for Fire-fighters

Wear SCBA and full protective clothing. Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Contain the spill.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Avoid generating dust. Shovel or sweep up and reuse.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid generating dusts. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

### Conditions for Safe Storage

Store in an area that is: dry, well-ventilated. Store in the original, labelled, shipping container. Keep out of reach of children.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Ammonium nitrate	10 mg/m <sup>3</sup>		15 mg/m <sup>3</sup>			
Potassium nitrate	5 mg/m <sup>3</sup>					

Dust exposure limit of 10 mg/m<sup>3</sup>.

### Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Applicators should stand upwind.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an appropriate cartridge. 3M8210 or better.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

**Appearance** Multicoloured granules.

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<b>Odour</b>	Slight metallic odour
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	Not available
<b>Melting Point/Freezing Point</b>	Not applicable (melting); Not applicable (freezing)
<b>Initial Boiling Point/Range</b>	Not applicable
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Will not burn.
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Relative Density (water = 1)</b>	Not available
<b>Solubility</b>	Not applicable in water; Not applicable (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not applicable
<b>Viscosity</b>	Not applicable (kinematic)
<b>Other Information</b>	
<b>Physical State</b>	Solid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Mild oxidizer. May intensify fire.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Decomposes in the presence of heat. See "Hazardous Decomposition Products".

### Conditions to Avoid

Heat. Water, moisture or humidity.

### Incompatible Materials

Increased risk of fire and explosion on contact with: reducing agents (e.g. hydroquinone), organic acids (e.g. acetic acid).

### Hazardous Decomposition Products

Under fire - oxygen (a strong oxidizer); corrosive, oxidizing nitrogen oxides; extremely hazardous hydrogen cyanide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LD50 (oral)	
Ammonium nitrate	2800 mg/kg (rat)	
Potassium nitrate	3750 mg/kg (rat)	

### Skin Corrosion/Irritation

May cause skin irritation. May cause rash.

### Serious Eye Damage/Irritation

May cause moderate aggravation. Abrasive action of dust particulate can damage eye.

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## STOT (Specific Target Organ Toxicity) - Single Exposure

### Inhalation

May lead to respiratory irritation.

### Skin Absorption

Not absorbed through skin.

### Ingestion

If large amounts are swallowed in severe cases, symptoms may include increased or decreased urination, nausea, vomiting, confusion and fatigue.

### Respiratory and/or Skin Sensitization

Not known to be a skin sensitizer. Respiratory sensitizer.

### Carcinogenicity

Not known to cause cancer.

### Reproductive Toxicity

#### Development of Offspring

Not known to harm the unborn child.

## SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

### Ecotoxicity

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Ammonium nitrate	6000 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)	555 mg/L (Daphnia magna (water flea); 24-hour; fresh water; static)		
Potassium nitrate		490 mg/L (Daphnia magna (water flea); 24-hour)		

#### Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Potassium nitrate				900 mg/L (Daphnia magna (water flea); 4.2 days)

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

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**Canada**

**WHMIS 1988 Classification**

Not a WHMIS controlled product.

**Custom Regulatory 1**

Regulation (EC) No 2003/2003 of the European Parliament and of the Council of 13 October 2003 relating to fertilizers.

**SECTION 16. OTHER INFORMATION**

**SDS Prepared By** MPPI Technical Department

**Phone No.** 905-793-8000

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SECTION 12. ECOLOGICAL INFORMATION; Chronic Aquatic Toxicity.  
The following SDS content was changed on October 15, 2015:  
SECTION 12. ECOLOGICAL INFORMATION; Chronic Aquatic Toxicity.

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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