

ACERnt 13-12-12

SECTION 1. IDENTIFICATION

Product Identifier	ACERnt 13-12-12
Other Means of Identification	11378
Product Family	ACERnt Controlled Release Fertilizer
Recommended Use	Controlled Release Fertilizer for Plants.
Manufacturer	Master Plant-Prod Inc., 314 Orenda Rd. , Brampton, Ontario, Canada, L6T 1G1, Canada
Emergency Phone No.	CANUTEC, 1-888-226-8832 (North America) or 1-613-996-6666 (International), 24 Hours

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Eye irritation - Category 2; Reproductive toxicity - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

Precautionary Statement(s):

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Identifier: ACERnt 13-12-12 - Ver. 1

SDS No.: 0747

Date of Preparation: November 06, 2014

Date of Last Revision: November 24, 2023

Page 01 of 06

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Ammonium nitrate	6484-52-2	9-21		
Ammonium sulfate	7783-20-2	<1		
Sodium borate, pentahydrate	12179-04-3	<0.4		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

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

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

Ingestion

For large amounts immediately call a Poison Centre or doctor. Get medical advice or attention if you feel unwell or are concerned.

Immediate Medical Attention and Special Treatment

Special Instructions

See first aid information above. Note to Physicians: Provide general supportive measures and treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use flooding quantities of water spray or fog.

Unsuitable Extinguishing Media

DO NOT use water jet. DO NOT use dry chemical fire extinguishing agents containing ammonium compounds (such as some A:B:C agents).

Specific Hazards Arising from the Product

May intensify fire.

In a fire, the following hazardous materials may be generated: corrosive, oxidizing nitrogen oxides; corrosive phosphorous oxides; potassium oxides; corrosive, flammable ammonia; very toxic carbon monoxide, carbon dioxide; corrosive sulfur oxides; magnesium oxides; metal oxides.

Special Protective Equipment and Precautions for Fire-fighters

Wear SCBA and full protective clothing.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

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. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

Product Identifier: ACERnt 13-12-12 - Ver. 1

SDS No.: 0747

Date of Preparation: November 06, 2014

Date of Last Revision: November 24, 2023

Page 02 of 06

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

Methods and Materials for Containment and Cleaning Up

Contain the spill. Sweep up spilled material and dispose of in approved manner.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not swallow. Do not get in eyes. Avoid breathing in this product. Avoid repeated or prolonged skin contact. Do NOT eat, drink or store food in work areas. Avoid exposure during pregnancy and while nursing. Only use where there is adequate ventilation. Avoid generating dusts.

Conditions for Safe Storage

Store in an area that is: dry, well-ventilated. 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
Sodium borate, pentahydrate	2 mg/m ³	6 mg/m ³	15 mg/m ³			
Ammonium nitrate	10 mg/m ³		15 mg/m ³			

Dust exposure limit of 10 mg/m³.

Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear protective safety glasses.

Skin Protection

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

Respiratory Protection

Use an appropriate NIOSH approved particulate respirator. Monitor dust levels within working area and ensure adequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Multicoloured prills.
Odour	Slight metallic odour
Odour Threshold	Not applicable
pH	Not available
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	Not available
Evaporation Rate	Not applicable
Flammability (solid, gas)	Will not burn.
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable

Product Identifier: ACERnt 13-12-12 - Ver. 1

SDS No.: 0747

Date of Preparation: November 06, 2014

Date of Last Revision: November 24, 2023

Page 03 of 06

Solubility	Not applicable in water; Not applicable (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable (kinematic)
Other Information	
Physical State	Solid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Mild oxidizer. May intensify fire.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

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), combustible materials, flammable liquids.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Review Section 5 (Specific Hazards Arising from the Product) for hazardous materials generated in a fire.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 (oral)	
Sodium borate, pentahydrate	3305 mg/kg (rat)	
Ammonium nitrate	2800 mg/kg (rat)	
Ammonium sulfate	> 2000 mg/kg (rat)	

Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate or burn the skin.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Very low vapour activity. At high concentrations may cause nose and throat irritation.

Skin Absorption

Not absorbed through skin.

Ingestion

If large amounts are swallowed symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Carcinogenicity

No information was located.

Reproductive Toxicity

Product Identifier: ACERnt 13-12-12 - Ver. 1
 Date of Preparation: November 06, 2014
 Date of Last Revision: November 24, 2023

SDS No.: 0747

Page 04 of 06

Development of Offspring

Borax may cause birth defects, based on animal data.

Sexual Function and Fertility

Borax may cause birth defects, based on animal data.

SECTION 12. ECOLOGICAL INFORMATION**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)		

Persistence and Degradability

No information was located.

Mobility in Soil

No information was located.

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****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

Date of Preparation November 06, 2014

Date of Last Revision November 24, 2023

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

Disclaimer To the best of our knowledge, the information contained herein is accurate. However, neither Master Plant-Prod Inc., nor any of its distributors, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Although certain hazards are

Product Identifier: ACERnt 13-12-12 - Ver. 1

SDS No.: 0747

Date of Preparation: November 06, 2014

Date of Last Revision: November 24, 2023

Page 05 of 06

described, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of any product is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

Product Identifier: ACERnt 13-12-12 - Ver. 1
Date of Preparation: November 06, 2014
Date of Last Revision: November 24, 2023

SDS No.: 0747

Page 06 of 06