

**Material Safety Data Sheet**  
**J. R. Simplot Company**  
**AgriBusiness**

Trade Name: Apex Custom Blend 17-10-11  
Registration No: None

**M803685**

**SECTION 1**

**CHEMICAL PRODUCT AND COMPANY INFORMATION**

<b>Manufacturer or Formulator:</b>	J.R. Simplot Company P.O. Box 70013 Boise, ID 83707	<b>Product Name:</b>	Apex Custom Blend 17-10-11
<b>Emergency Phone - Chemtrec:</b>	1-800-424-9300	<b>Common Name:</b>	17-10-11
		<b>Chemical Type:</b>	Inorganic Chemical Fertilizer

**SECTION 2**

**COMPOSITION INFORMATION**

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
NONE			Non Hazardous		
A homogenous product consisting of:			100		
Ammonium Nitrate	6484-52-2	NH <sub>4</sub> NO <sub>3</sub>		10 mg/m <sup>3</sup> Nuisance Dust	Not available
Mono-ammonium Phosphate	7722-76-1	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>		10 mg/m <sup>3</sup> Nuisance Dust	Not available
Sulfate of Potash	7778-80-5	K <sub>2</sub> SO <sub>4</sub>		10 mg/m <sup>3</sup> Nuisance Dust	Not available
Diatomaceous Earth	--	--			
Polyurethane Coating	--	--			
Wax	--	--			

**SECTION 3**

**HAZARDS IDENTIFICATION**

**Ingestion:** Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

**Inhalation:** Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.

**Eye Contact:** Dust from this product may cause particulate discomfort to eyes.

**Skin Absorption:** Not normally absorbed through the skin.

**Skin Contact:** Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.

**Effects of Overdose:** Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

**SECTION 4**

**FIRST AID MEASURES**

**Ingestion:** If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention..

**Inhalation:** Remove to fresh air. Seek medical attention if condition persists.

**Eyes:** Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.

**Skin:** Wash with soap and water. Seek medical attention if condition persists.

**Notes to Physician:** Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions of the patient.

**SECTION 5**

**FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use media suitable to extinguish source of fire.

**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:** During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub> or CN.

**SECTION 6**

**ACCIDENTAL RELEASE MEASURES**

**Environmental Precautions:** Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth. Large spills may cause illness to animals and possibly kill vegetation.

**Steps to be taken in case material is released or spilled:** Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

**SECTION 7**

**HANDLING AND STORAGE**

**Precautions to be taken in handling and storing:** Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

**SECTION 8**

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation Protection:** Provide local or general ventilation to keep dust below ACGIH nuisance dust limit of 10 mg/m<sup>3</sup>. Applicators should stand up-wind if excess dust is observed.

**Respiratory Protection:** Approved dust respirator when necessary.

**Protective Clothing:** Normal clean work clothing.

**Eye Protection:** In dusty conditions, safety glasses with side shields or goggles may be necessary.

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## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	Not applicable	<b>Solubility in Water:</b>	Fertilizer ingredients are 90% soluble; polyurethane coating is water insoluble
<b>Density:</b>	65-68 lbs/ft <sup>3</sup>	<b>% Volatiles (by volume):</b>	Not applicable
<b>Flashpoint:</b>	Non-flammable	<b>Vapor Pressure, mm Hg:</b>	Not applicable
<b>pH:</b>	Not listed	<b>Reaction with Water:</b>	None
<b>Appearance:</b>	Green granules		
<b>Extinguishing Media:</b>	Use media suitable to extinguish source of fire.		

## SECTION 10

## STABILITY AND REACTIVITY

<b>Stability (Normal Conditions):</b>	Stable
<b>Conditions to Avoid:</b>	Extremely high temperatures.
<b>Incompatibility (Material to Avoid):</b>	Strong oxidizing agents. Prolonged contact may cause oxidation of unprotected metals.
<b>Hazardous Decomposition Products:</b>	During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH <sub>3</sub> , SO <sub>x</sub> , PO <sub>x</sub> or CN.
<b>Hazardous Polymerization:</b>	Will not occur

## SECTION 11

## TOXICOLOGY

	Oral LD50 (rat)	Dermal LD50 (rat)	Aquatic Fish 96	Aquatic (other)
<b>Mono-ammonium Phosphate</b>	> 2,000 mg/kg	> 5,000 mg/kg	> 86 mg/L (rainbow trout)	none listed
<b>Sulfate of Potash</b>	6,600 mg/kg	none listed	680-3,550 mg/L	720-890 mg/L (daphnia)
<b>Ammonium Nitrate</b>	1,480-1,770 mg/kg	> 5,000 mg/kg	95-102 mg/kg total NH <sub>3</sub> /L	124.9 mg total NH <sub>3</sub> /L (daphnia)
<b>Inhalation 4 hour LC50:</b>	>88,800 mg/m <sup>3</sup>			

All toxicity data from TFI Product Testing Results.

## SECTION 12

## ECOLOGICAL INFORMATION

None listed.

## SECTION 13

## DISPOSAL CONSIDERATIONS

**Waste Disposal Procedures:** Pick up with a shovel and broom and use as a fertilizer by applying to soil using good agricultural practices and soil management.

## SECTION 14

## TRANSPORT INFORMATION

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

This product contains ammonium nitrate solution which may be subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372, under the nitrate compound category.

## SECTION 16

## OTHER INFORMATION

<b>Flash Point (Test Method):</b>	Non-flammable	<b>Flammable Limits</b>	<b>LOWER</b>	<b>UPPER</b>
<b>Autoignition Temperature:</b>	Not applicable	(% BY VOLUME)	N/A	N/A
<b>NFPA Hazard Rating:</b>	<b>Health: 1</b>	<b>Fire: 0</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: 1**

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