



Agrico Canada Limited  
2896 Slough Street, Unit #6  
Mississauga, ON L4T 1G3

**Dry Blended Fertilizer Containing Sulphur Coated Urea**

**MATERIAL SAFETY DATA SHEET (MSDS)**

MSDS NUMBER ► ACL-005 (REV. JAN 2009)

PAGE 1 OF 4

SECTION I		NAME	
<b>PRODUCT</b> ►	Dry Blended Fertilizer Containing Sulphur Coated Urea		
<b>CHEMICAL/ SYNONYMS</b> ►	Dry Blended Fertilizer		
<b>CHEMICAL FAMILY</b> ►	N/A		
<b>FORMULA</b> ►	N/A	<b>C.A.S. NUMBER</b> ►	N/A

**AGRICO (MISSISSAUGA)  
EMERGENCY ASSISTANCE  
(905) 672-5700**

**CANUTEC  
24 HOUR EMERGENCY  
(613) 996-6666**

SECTION II					INGREDIENTS											
COMPOSITION																
<b>HAZARDOUS INGREDIENTS</b>		_____ % Sulphur coated ingredient used in this product.				CAS No. 7704-34-9										
<b>OTHER INGREDIENTS</b>	%	<b>TLV</b>	<b>CAS NO.</b>	<table border="1"> <thead> <tr> <th colspan="3">GUARANTEED MIN. ANALYSIS</th> </tr> <tr> <th>% Total Nitrogen</th> <th>% Available Phosphoric Acid</th> <th>% Soluble Potash</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				GUARANTEED MIN. ANALYSIS			% Total Nitrogen	% Available Phosphoric Acid	% Soluble Potash			
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Urea		None listed	57-13-6													
Monoammonium Phosphate (or)		None listed	7722-76-1													
Diammonium Phosphate (and)		None listed	7783-28-0													
Muriate of Potash (and)		None listed	7447-40-7													
Dolomitic Limestone		None listed	None													

SECTION III				PHYSICAL DATA			
<b>BOILING POINT</b> (0°C) ►	N/A	<b>MELTING POINT</b> (0°C) ►	N/A	<b>VAPOR PRESSURE</b> (mmHg) ►	N/A		
<b>SPECIFIC GRAVITY</b> (H <sub>2</sub> O = 1) ►	N/A	<b>% VOLATILE BY VOLUME</b> ►	N/A	<b>VAPOR DENSITY</b> (AIR = 1) ►	N/A		
<b>SOLUBILITY IN WATER</b> ►	Partially Soluble	<b>EVAPORATION RATE</b> (BUTYL ACETATE = 1) ►	N/A	<b>MOLECULAR WEIGHT</b> ►	N/A		
<b>PHYSICAL STATE</b> ►	Solid	<b>DENSITY</b> ►	50 to 65 lbs/ cu. ft.	<b>pH</b> ►	7.0 - 8.5 (10% in water)		

**APPEARANCE AND ODOR**

Free flowing multicoloured granules (yellow).

SECTION IV		REACTIVITY	
<b>STABILITY</b> ►	<input type="checkbox"/> UNSTABLE <input checked="" type="checkbox"/> STABLE	<b>HAZARDOUS POLYMERIZATION</b> ►	<input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR

**CONDITIONS AND MATERIALS TO AVOID**

Can react with hypochlorites.  
Under fire conditions – flammable (i.e. sulphur and wax portions).  
Avoid excessive heat, greater than 150°C.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Urea and methylene urea nitrogen sources can generate ammonia in a fire.

SECTION V FIRE AND EXPLOSION HAZARDS			
FLASH POINT AND METHOD USED N/A	FLAMMABLE LIMITS — % VOLUME IN AIR	LOWER N/A	UPPER N/A
EXTINGUISHING MEDIA  Use media appropriate to surrounding fire (Dry chemical).			
SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS  Use water spray to cool fire-exposed containers or structures. Use water spray to disperse vapors. Use self-contained breathing apparatus and special protective clothing.			
AUTOIGNITION TEMPERATURE: _____ 450 _____ °C _____ 842 _____ °F (Sulphur component only)			
UNUSUAL FIRE AND EXPLOSION HAZARDS  Sulphur dust can form explosive mixtures with air. If product is consumed in a fire, toxic sulphur dioxide will form.			

SECTION VI HEALTH INFORMATION	
PERMISSIBLE EXPOSURE LIMIT (PEL) _____ None _____	ACGIH THRESHOLD LIMIT VALUE (TLV) _____ None _____
LISTED IN : IARC MONOGRAPHS _____ No _____	NTP LIST _____ No _____ OSHA _____ No _____
HEALTH HAZARD CLASSIFICATION None	PRIMARY ROUTE(S) OF ENTRY Ingestion.
SYMPTOMS OF OVEREXPOSURE  <b>Inhaled:</b> Dust is irritating to the nose, throat and respiratory tract, and may cause coughing and sneezing.  <b>Ingested:</b> Ingestion of large amounts of dust may cause gastrointestinal upset and abdominal pain.	
AGGRAVATED MEDICAL CONDITION  Possible nausea, vomiting.	
TOXIC DATA  This product has not been tested. Urea: LD <sub>50</sub> (Oral, rat) = 14300 mg/kg. LD <sub>50</sub> (Oral, mouse) = 11500 mg/kg.	

SECTION VII STORAGE AND SPECIAL PRECAUTIONS
HANDLING AND STORAGE PRECAUTIONS  Store in cool, dry area and away from water, food and feed.
OTHER PRECAUTIONS  Keep out of reach of children. Workers should follow good housekeeping practices while using this product.

<b>SECTION VIII EMERGENCY AND FIRST AID PROCEDURES</b>	
<b>EYE CONTACT</b>	Immediately flush eyes with running water for a <i>minimum</i> of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY.
<b>SKIN CONTACT</b>	Remove contaminated clothing. Wash affected areas with soap and water. If irritation persists, obtain medical advice immediately.
<b>INHALATION</b>	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse. Obtain medical advice immediately.
<b>INGESTION</b>	If victim is alert and not convulsing, give ½ to 1 glass of water to dilute material. DO NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in vomitus, rinse mouth and administer more water. Obtain medical attention IMMEDIATELY.
<b>NOTE TO THE PHYSICIAN</b>	Treat symptomatically.

<b>SECTION IX PERSONAL PROTECTION INFORMATION</b>	
<b>RESPIRATORY PROTECTION</b>	A NIOSH/MSHA approved-respirator, if required.
<b>ENGINEERING CONTROLS</b>	This product has not been tested.
<b>SKIN PROTECTION</b>	Use gloves and protective clothing made from cotton.
<b>EYE PROTECTION</b>	Safety glasses with side shields are recommended to prevent eye contact.
<b>OTHER PROTECTIVE EQUIPMENT</b>	No special requirements.

SECTION X TRANSPORTATION REQUIREMENTS	
<b>DEPARTMENT OF TRANSPORTATION</b>	
Not regulated (Under the TDG Act).	
<b>PROPER SHIPPING NAME</b>	<b>IDENTIFICATION NUMBER (PIN)</b>
Dry Fertilizer	N/A
	<b>PACKING GROUP</b>
	N/A
<b>OTHER REQUIREMENTS</b>	
None	

SECTION XI EMERGENCY ACTION – (SPILL OR LEAK)	
<b>EMERGENCY ACTION</b>	
May be harmful to aquatic life. Biodegrades rapidly in waterways and, if in sufficient quantity, can deplete the available oxygen required by aquatic life.	
<b>SMALL SPILLS</b>	
Collect product for re-use or disposal. For release to land, contain storm water runoff by dyking with earth or other barrier.	
<b>LARGE SPILLS</b>	
Dispose of waste material at an approved landfill site, in accordance with applicable provincial and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.	

<b>FOOTNOTES</b>
SOURCE USED: Supplier's Material Safety Data Sheets.
N/A means Not Applicable.

DISCLAIMER
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