Magruder Fertilizer Check Sample 171211

has been prepared for laboratory analysis by grinding to a fine powder. This SDS applies to the original fertilizer as received from the manufacturer.

SAFETY DATA SHEET

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION		
Trade Name:	Test Blend Non-Hazardous Fertilizer Materials		
Chemical Name:	Mixture of inorganic and organic fertilizer salts and oxides		
CAS Number:	Various – 57-13-6, 7783-20-2, 7783-28-0, 7722-76-1, 7447-40-7, 14977-37-8		
Chemical Family:	Ammonium Phosphates— and Inorganic Salts		
Synonyms:	Urea, Ammonium Sulfate, Ammonium Phosphate Dibasic, Ammonium Phosphate Monobasic, Primary/Secondary Ammonium Phosphate, Diammonium Hydrogen Phosphate, Fertilizer Grade Ammonium Phosphate, DAP, MAP, Superphosphate Muriate of Potash, Potassium Chloride, Potassium magnesium Sulfate		
Primary Use:	Crop nutrient Crop nutrient		
Company Information:	THE MOSAIC COMPANY 3033 Campus Drive Plymouth, MN 55441 www.mosaicco.com 800-918-8270 or 763-577-2700 8 AM to 5 PM Central Time US		
Emergency Telephone:	24 Hour Emergency Telephone Number: <u>For Chemical Emergencies</u> : Spill, Leak, Fire or Accident Call CHEMTREC North America: (800) 424-9300 Others: (703) 527-3887 (collect)		

SECTION 2	HAZARD IDENTIFICATION			
GHS Classification:	Acute Toxicity Oral C Skin Irritant Category Eye Irritant Category STOT SE Category 3	2 2B	Hazard Statement H303 Hazard Statement H315 Hazard Statement H320 Hazard Statement H335	
!	Signal Word: WARNING Hazard Statement(s) H303: May be harmful if swallowed H315: Causes skin irritation H320: Causes eye irritation H335: May cause respiratory irritation			
Label Elements:	and the second second second			
Prevention:	P264: Wash thoroughly after handling. P280: Wear protective gloves P261: Avoid breathing dust P271: Use only outdoors or in a well-ventilated area.			
THE BUTTON IN THE TWO	P302+ P352	IF ON SKIN: Wash with plenty of water.		
	P321	Specific Treatment, see supplemental first aid information.		
	P332+ P313	If skin irritation occurs: Get medical advice/attention.		
	P362+ P364	Take off contaminated clothing and wash it before reused.		
Response:	P305+P351+ P338	IF IN EYES: Rinse ca	autiously with water for several minutes. ses, if present and easy to do. Continue rinsing.	
	P337+ P313	If eye irritation persists: Get medical advice/attention.		
	P304+ P340		ve person to fresh air and keep comfortable	
	P312	Call a POISON CENTER.		
Storage:	Not applicable	Not applicable		
Disposal:	P501	Disposal of content/containers to be in accordance with local/regional/national regulations.		

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SECTION 3	COMPOSITION INFORMATION ON INGREDIENTS			
Formula:				
Composition:	Mixture of inorganic and organic fertilizer salts and oxides	CAS 57-13-6 7783-20-2 7783-28-0, 7722-76-1 7447-40-7 14977-37-8	4	Acute Toxicity Oral Category 5 Skin Irritant Category 2 Eye Irritant Category 2B STOT SE 3 (Lungs, Inhalation)

SECTION 4	FIRST AID MEASURES			
	Eyes:	Move victim away from exposure and into fresh air. Flush eyes with plenty of clean water for at least 15 minutes. If symptoms persist, seek medical attention.		
First Aid Procedures:	Skin:	Wash contaminated area thoroughly with mild soap and water. If chemical or solution soaks through clothing, remove clothing and wash contaminated skin. If irritation develops and persists after washing, seek medical attention.		
	Inhaled:	If respiratory symptoms develop, move victim away from exposure source and to fresh air. If symptoms persist, seek medical attention.		
	Ingestion:	If large amounts are swallowed, seek emergency medical attention. If possible, do not leave victim unattended and observe closely for adequacy of breathing.		
Note to Physician:	If person has been exposed to concentrated decomposition products, treat symptomatically and watch for delayed symptoms of pulmonary edema.			

SECTION 5	FIRE FIGHTING MEASURES		
Extinguishing Media:	Use extinguishing agent suitable for type of surrounding fire. Avoid excessive water to minimize runoff. Prevent firefighter water from entering the environment. Small fires: Water spray, foam, dry chemical or CO ₂ Large fires: Water spray, fog or foam		
Protection of Firefighters:	Positive pressure, self-contained breathing apparatus is required for all firefighting activities involving hazardous materials.		

SECTION 6	ACCIDENTAL RELEASE MEASURES		
Response Techniques:	Stay upwind and away from spill (dust hazard). Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways. Notify appropriate federal, state, and local agencies as may be required (see Section 15). Minimize dust generation. Sweep up and package appropriately for disposal.		

SECTION 7	HANDLING AND STORAGE		
Handling:	The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Section 8). Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Wash contaminated clothing or shoes. Use good personal hygiene practices.		
Storage:	Use and store this material in dry, well-ventilated areas. Store only in approved containers. Keep container(s) tightly closed. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Material may absorb moisture from the air.		

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SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION			
Engineering Controls:	Use process enclosure, general dilution ventilation or local exhaust systems where necessary to maintain airborne dust concentration below the OSHA standards or in accordance with applicable regulations.			
	Eye/Face:	Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended.		
	Skin:	The use of cloth or leather work gloves is advised to prevent skin contact, possible irritation and absorption.		
Personal Protective Equipment (PPE):	Respiratory: Other:	A NIOSH approved air purifying respirator with a type 95 (R or P) particulate filter may be used under conditions where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a positive pressure air supplied respirator if there is potential for uncontrolled release, exposure levels are not known or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed if workplace conditions warrant a respirator. A source of clean water should be available in the work area for flushing eyes and skin.		
General Hygiene Considerations:	Wash thoroughly after handling Use adequate ventilation			
an season pro- Theor to	OSHA Permissible Exposure Limits (PEL): 5 mg/m³ 15 mg/m² Ammoni 50 ppm		Particulates Not Otherwise Regulated: 5 mg/m³ TWA (respirable); 15 mg/m³ TWA (total) Ammonia: 50 ppm (35 mg/m³) TWA	
xposure Guidelines: ACGIH Threshold Limit Value (TLV): Particulates 3 mg/m³ TW 10 mg/m³ Ammonia: 25 ppm (18				

SECTION 9	PHYSICA	ROPERTIES	
Note: Unless otherwise sta	ted, values in this section are determi	ned at 20°C (68°F) and 760 mm l	Hg (1 atm).
Appearance:	White, gray, tan, brown or black granules	Vapor Pressure (mm Hg):	Not applicable
Odor:	Slight ammonia odor	Vapor Density (air=1):	Not applicable
Odor Threshold:	No data available	Specific Gravity or Relative Density:	Not applicable
Physical state:	Solid	Bulk Density:	Loose 50 - 66 lbs/ft ³ (800 -1055 kg/m ³); Packed 52 - 68 lbs/ft ³ (830 - 1090 kg/m ³)
pH:	No data available	Solubility in Water:	50% - 95%
Melting Point/ Freezing Point:	Not applicable	Partition coefficient:	No data available
Boiling Point:	Not applicable	Auto-Ignition Temperature:	Not applicable

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Flash Point:	Not applicable	Decomposition Temperature:	No data available
Evaporation Rate:	No data available	Viscosity:	No data available
Flammability:	Not applicable	Volatility:	Not applicable
Upper/lower Flammability or explosive limits	Not applicable	The principal seems	10 2 - 000 2 2 2 2 2 2

SECTION 10	STABILITY AND REACTIVITY		
Chemical Stability: Stable under normal conditions of storage and handling.			
Conditions to Avoid:	Extreme temperatures		
Incompatible Materials:	Avoid contact with alkaline materials		
Hazardous Decomposition Products:	If heated to the point of decomposition, oxides of phosphorus, oxides of nitro and ammonia (NH3) may be released.		
Corrosiveness:	May be corrosive to iron and mild steels, aluminum, zinc and copper		
Hazardous Polymerization:	Will not occur		

SECTION 11	TOXICOLOGICAL INFORMATION		
Substance:	No data available	dend with without 1	Magazini a matalan kamanan i
Acute Oral Toxicity:	No data available		MINE TO ME STATE OF THE STATE O
Acute Inhalation Toxicity:	No data available		
Acute Dermal Toxicity:	No data available		
Mutagenesis:	No data available	Target Organ	STOT SE Cat 3; may cause respiratory irritation.
Developmental Toxicity:	No data available	Carcinogenicity	The ingredients of this product are not classified as carcinogenic by NTP (National Toxicology Program), IARC, or OSHA

SECTION 12	ECOLOGICAL INFORMATION			
Ecotoxicology:	May release ammonium ions that are toxic to fish. Un-ionized ammonia concentrations above 0.02 mg/l are considered toxic in fresh water. May release phosphates which will result in algae growth, increased turbidity, and depleted oxygen. At extremely high concentrations, this may be hazardous to fish or other marine organisms. Release to watercourses may cause effects downstream. Fish 96 hour LC ₅₀ , OECD Guidelines 203 (rainbow trout): >86mg/L.			

SECTION 13	DISPOSAL CONSIDERATIONS		
	Recover or recycle if possible. Properly characterize all waste materials. Consult		
	federal, state/provincial and local regulations regarding the proper disposal of this		
	material. Prevent material from entering sewers, storm drains, other unauthorized		
	treatment drainage systems, and natural waterways.		

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SECTION 14	TRANSPORT INFO		
Regulatory Status:	Not regulated		
Identification Number:	HTS 3105.30.00		
Hazard Class:	Not applicable		
Proper Shipping Name	Not applicable		
Packing Group	Not applicable		
DOT Emergency Response Guide Number:	Not applicable		
Transport in bulk according to Annex II of MARPOL 73/78, and the IBC Code:	Not applicable		
MARPOL Annex V:	Non-HME		
IMO/IMDG:	Not applicable		

SECTION 15	REGULATORY INFORMATION							
CERCLA:	Not listed							
RCRA 261.33:	Not listed							
SARA TITLE III:	Section 302/30	TPQ: No						
(Exemptions at 40 CFR, Part 370 may apply for	Section 311/312:							
agricultural use, or for quantities of less than	Acute: Yes	Chronic: No	Fire: No	Pressure: No	Reactivity: No			
10,000 pounds on-site.)	Section 313: Not listed							
NTP, IARC, OSHA:	This material has not been identified as a carcinogen by NTP, IARC, or OSHA.							
Canada DSL and NDSL:	DSL: Yes NDSL: Not listed							
TSCA:	Listed on the TSCA Inventory							
CA Proposition 65: (Health & Safety Code Section 25249.5)	Warning: This product contains substances known to the State of California to cause cancer and/or birth defects or other reproductive harm.							
WHMIS:	Regulations (H WHMIS 1988 Classifications	peen prepared according prepared according prepared (Repealed) and/or symbols from	ontains all of the m the Controlled	ard criteria of the Haza information required I Products Regulations Section 16 for referen	by the HPR. (CPR) are			

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SECTION 16	NSPORT IN		OTHER INF	ORMATIC	ON				
Disclaimer:	The information in this document is believed to be correct as of the date issued. HOWEVER, NO GUARANTEE, REPRESENTATION, OR WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO THE USE OF THIS PRODUCT. User is responsible for determining whether this product is fit for a particular purpose and suitable for user's method of use or application and assumes the risk of use thereof. The conditions and use of this product are beyond the control of Mosaic and Mosaic disclaims any liability for loss or damage incurred in connection with the use or misuse of this product. Each user should review the recommended industrial hygiene and safe handling procedures in the specific context of the intended use and determine whether they are appropriate.								
Preparation:	The preparation	The preparation of this SDS was in accordance with ANSI Z400.1-2010.							
Revision Date:	October1, 2015								
Sections Revised:	All								
SDS Number:	10-NI TRIOTALIUDSR ET MOTTOSS								
References:	Globally Harmonized System of Classification and Labelling of Chemicals (GHS) – 4 th Edition 2011 OSHA Hazard Communication Standard, 2012 MARPOL Annex V; The Fertilizer Institute (TFI), 2003; TOXNET								
	NFPA HAZAR	NFPA HAZARD CLASS HMIS HAZARD CLASS			WHMIS 1988 (CPR) HAZARD CLASS				
	Health:	1	Health:	1	Symbol	N/A			
	Flammability:	0	Flammability:	0		NI-4 VAILIBAIO			
	Instability:	0	Physical Hazard:	0	Classification	Not WHMIS Controlled			
	Special Hazard:	None	PPE:	Section 8	Sub Class	N/A			
Other Hazard	WHN	/IIS 2015 (HP	ADMIT						
Classifications:	Signal Word	Word Warning							
	Symbol	Symbol							
on of the boson was Pro-	Classification	Skin Irrita Eye Irritar	cicity Oral Catego nt Category 2 nt Category 2B Category 3						
	Hazard Statements	H303: Ma H315: Ca H320: Ca	ay be harmful if sauses skin irritation irritation is suses eye irritation is cause respirat						

Section(s) Revised: All Revision Date: 10/01/2015 Issue Date: 10/01/2015

SDS #: 100011