



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 09/08/10

CURRENT AS OF: 4/12/11

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: APPCK13MDG5

PRODUCT NAME: Andersons Golf Products NutriDG Kal-Tec

PRODUCT USE: Fertilizer

MFR INFO: The Andersons Lawn Products  
PO Box 119  
Maumee, Ohio, USA 43537

FOR EMERGENCY: (800) 757-8951  
FOR INFORMATION: (419) 891-2957

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**WARNING**

**MAY BE HARMFUL IF SWALLOWED  
MAY CAUSE MILD SKIN IRRITATION  
MAY CAUSE AN ALLERGIC SKIN REACTION  
MAY CAUSE EYE IRRITATION  
MAY CAUSE RESPIRATORY IRRITATION**

HAZARD CLASSIFICATIONS:

*ACUTE TOXICITY*

*SKIN IRRITATION*

*SKIN SENSITIZATION*

*EYE IRRITATION*

*TARGET ORGAN SYSTEMIC TOXICITY*

CATEGORY

5

3

1

2B

3

INTERPRETATION

Low

Mild

Skin Allergy Possible

Promptly Reversible

Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *IF ON SKIN, WASH WITH PLENTY OF SOAP AND WATER*
- *IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE*
- *WEAR PROTECTIVE GLOVES*
- *CONTAMINATED CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE*
- *WASH CONTAMINATED CLOTHING BEFORE REUSE*
- *IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES*
- *IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE*
- *WASH HANDS AFTER HANDLING*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING DUST*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b><u>CHEMICAL IDENTITY</u></b>	<b><u>SYNONYM</u></b>	<b><u>CAS NUMBER</u></b>	<b><u>CONCENTRATION (%)</u></b>
Pelletized gypsum	Nutrasoft	Mixture	49.5
Potassium sulfate	Sulfate of potash	7778-80-5	21.1
Potassium magnesium sulfate	Sulpomag	14977-37-8	18.7
Calcium lignosulfonate		8061-52-7	5.0
Manganese sulfate		7785-87-7	4.8

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move victim to fresh air. Seek medical attention if irritation persists.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.
IF SWALLOWED:	If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

**SECTION 5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	Decomposition products may be toxic.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

SPILL / RELEASE PROCEDURES:	Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies.
PROTECTIVE EQUIPMENT:	See Section 8

**SECTION 7: HANDLING AND STORAGE**

Store in a cool, dry, well ventilated area. Do not store above 120° F.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS:

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Pelletized gypsum	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Potassium sulfate	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Potassium magnesium sulfate	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Manganese sulfate	5 mg/m <sup>3</sup> (ceiling)	

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved particulate respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield recommended
SKIN PROTECTION:	Long sleeves, chemical-resistant gloves recommended
VENTILATION:	Local exhaust ventilation recommended

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR:	Tan colored granules, with slight odor
pH:	Not available
MELTING POINT:	Not available
BOILING POINT:	Not applicable
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not applicable
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY:	Not applicable
SPECIFIC GRAVITY:	Not applicable
SOLUBILITY (IN WATER):	Partially soluble
PARTITION COEFFICIENT:	Not applicable
AUTOIGNITION TEMP:	Not applicable
DECOMPOSITION TEMP:	Not applicable

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY:	Product is stable
CONDITIONS TO AVOID:	Excessive heat
INCOMPATIBILITY:	Strong oxidizers, acids, hypochlorites, caustics, alkalis
HAZARDOUS DECOMPOSITION PRODUCTS:	CaO, CO <sub>x</sub> , SO <sub>x</sub> , MnO <sub>x</sub>

**SECTION 11: TOXICOLOGICAL INFORMATION**

**HEALTH EFFECTS:** May be irritating to the nose, throat, and respiratory tract, and may cause sore throat, coughing, and shortness of breath. Skin irritation may result. May also be irritating to the eyes, causing redness and watering. Ingestion may result in sore throat, abdominal pain, nausea, and diarrhea.

**CARCINOGENICITY:** None of the ingredients are known / listed carcinogens. However, product may contain trace amounts of crystalline silica and titanium dioxide. Crystalline silica is listed by IARC as a suspected carcinogen. Inhaled titanium dioxide dust has been classified by IARC as possibly carcinogenic to humans.

**INGREDIENT TOXICITY RANGES:**

**ORAL:** > 2,000 mg/kg (monoammonium phosphate) – 6,600 mg/kg (sulfate of potash)

**DERMAL:** > 5,000 mg/kg (monoammonium phosphate)

**INHALATION:** Not available

**SECTION 12: ECOLOGICAL INFORMATION**

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated as a transportation hazard.

**SECTION 15: REGULATORY INFORMATION**

**SARA SECTION 311 / 312 HAZARD CATEGORY:** IMMEDIATE HAZARD

**SECTION 16: OTHER INFORMATION**

<b>NFPA RATINGS:</b>	<b>HEALTH</b>	1
	<b>FLAMMABILITY</b>	0
	<b>INSTABILITY</b>	0

<b>HMIS RATINGS:</b>	<b>HEALTH</b>	1
	<b>FLAMMABILITY</b>	0
	<b>PHYSICAL HAZARD</b>	0

**MSDS ID NO:** 463

**PREPARED BY:** SS

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