

**GRIFFIN FERTILIZER COMPANY  
SAFETY DATA SHEET**

DATE PREPARED: 06/21/18

CURRENT AS OF: 9/25/18

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE:

PRODUCT NAME: 4-0-8 with Assimilate™

PRODUCT USE: Fertilizer

MFR INFO: Griffin Fertilizer Company  
3201 South Scenic Hwy.  
Frostproof, FL 33843

FOR EMERGENCY: (800) 424-9300  
FOR INFORMATION: (863) 635-2281

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**WARNING**

**CAUSES SKIN AND SERIOUS EYE IRRITATION.**

HAZARD CLASSIFICATIONS:

*EYE IRRITATION*  
*SKIN IRRITATION*

CATEGORY

2A  
2

INTERPRETATION

Causes serious eye irritation  
Causes skin irritation

PRECAUTIONARY STATEMENTS:

- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *AVOID BREATHING VAPORS/MISTS*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *CALL POISON CONTROL OR SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF SWALLOWED: RINSE MOUTH AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

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

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Iron Sulfate		7720-78-7	00-10
Potassium Nitrate	Saltpeter	7757-79-1	10-20

**4-0-8 WITH ASSIMILATE**

Magnesium Nitrate	10377-60-3	05-15
Micronutrient Blend	Mixture	10-20

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move to fresh air and keep comfortable, seek medical attention if unwell.
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 15-20 minutes, seek medical attention if irritation persists.
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.
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:	When heated to decomposition, this product will emit toxic oxides and sulfides.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

SPILL / RELEASE PROCEDURES:	Contain material and place in containers for use as intended, or discard according to Federal, State and Local regulations.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.
PROTECTIVE EQUIPMENT:	Wear PPE according to Section 8

**SECTION 7: HANDLING AND STORAGE**

Wash hands after handling material. Do not eat, drink or smoke while handling the material. Avoid breathing vapors/mists. Not intended for human consumption. Store in a cool, dry, well-ventilated area away from incompatible materials.

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

The following constituents are the only constituents of the product, which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

<b><u>HAZARDOUS COMPONENT</u></b>	<b><u>OSHA PEL</u></b>	<b><u>ACGIH TLV</u></b>
Magnesium Nitrate	15 mg/m <sup>3</sup> (total)	10 mg/m <sup>3</sup> (inhalable)

#### 4-0-8 WITH ASSIMILATE

	5 mg/m <sup>3</sup> (respirable)	3 mg/m <sup>3</sup> (respirable)
Manganese Compounds	5mg/m <sup>3</sup>	0.2mg/m <sup>3</sup>

#### PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield
SKIN PROTECTION:	Appropriate for the task. Impervious and compatible with material,
VENTILATION:	Use with adequate ventilation

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR:	Solution
pH:	Not Applicable
MELTING POINT:	Not applicable
BOILING POINT:	Not available
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not available
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
SPECIFIC GRAVITY:	~1.225
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	Not available
DECOMPOSITION TEMP:	Not available
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

#### **SECTION 10: STABILITY AND REACTIVITY**

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	Heat
INCOMPATIBILITY:	Strong acids, bases and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides and sulfides.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS:	Causes skin and serious eye irritation.
CARCINOGENICITY:	None of the ingredients are known / listed carcinogens.

#### INGREDIENT TOXICITY RANGES:

ORAL:	> 319 mg/kg (iron sulfate) – 3,750 mg/kg (potassium nitrate)
DERMAL:	> 155 mg/kg (iron sulfate)

#### **SECTION 12: ECOLOGICAL INFORMATION**

Long-term degradation products may arise. Products of degradation are not expected to be hazardous. Excessive nutrients in waterways may cause algal blooms that may be detrimental to aquatic life.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Use product for intended purpose where possible. Dispose of in accordance with all national, regional / state, and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated as a transportation hazard.

**SECTION 15: REGULATORY INFORMATION**

SARA 311/312:	ACUTE
SARA 313:	Manganese Compounds (<1%) Zinc Compounds (<1%) Potassium Nitrate
REPORTABLE QUANTITY:	Manganese Compounds (No RQ) Zinc Compounds (No RQ)
RIGHT-TO-KNOW:	Manganese Compounds (CA, MA, MN, NJ, PA) Potassium Nitrate (CT, MA, PA, RI)

**SECTION 16: OTHER INFORMATION**

NFPA RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0
HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0
SDS NO:	XYZ	
PREPARED BY:	EHS Consulting	

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