

# MATERIAL SAFETY DATA SHEET

Spring Valley  
1891 Spring Valley Road  
Jackson, WI 53037  
262-677-2273

Approval Date: July 5, 2007  
Supersedes: None

## I. PRODUCT NAME:

16-16-16

Item #: 2219820

## II. HAZARDOUS INGREDIENTS

<u>Ingredient Name</u>	<u>Content</u>	<u>CAS Number</u>	<u>Exposure Limits</u>
Manganese Sulfate	Varies	10034-96-5	400 mg/m <sup>3</sup> as dust
Magnesium Sulfate	Varies	7487-88-9	10 mg/m <sup>3</sup> as dust
Iron Oxide	Varies	7489-39-6	10 mg/m <sup>3</sup> as dust
Isobutylidene diurea	Varies	6104-30-9	10 mg/m <sup>3</sup> as dust
Urea	Varies	57-13-6	10 mg/m <sup>3</sup> as dust
Diammonium Phosphate	Varies	7783-28-0	10 mg/m <sup>3</sup> as dust
Sulfate of Potash	Varies	7778-80-5	10 mg/m <sup>3</sup> as dust

## III. PHYSICAL PROPERTIES

Physical Form: ..... Granular  
Color:..... Varies  
Odor:..... Slightly earthy  
pH:..... Neutral  
Solubility in Water:..... Partial  
Specific Gravity:..... 0.8 - 1.2  
Bulk Density:..... 50 - 78 lbs / cu. ft.  
Vapor Pressure:..... Not applicable.

## IV. FIRE AND EXPLOSION DATA

Flash Point:..... Not applicable.  
Flammable Limits:  
UEL..... Not applicable.  
LEL..... Not applicable.

Extinguishing Media: .

Special Fire Fighting Procedures: Protect eyes and skin from contact with smoke. Wear self contained breathing apparatus when fighting fires. Keep all nonessential personnel upwind from smoke. Contain runoff waters and consult with your local environmental agencies before disposal.

## V. HUMAN HEALTH DATA

Routes of entry:

Skin and eye.

Human effects and symptoms of exposure:

May irritate open sores and wounds. May cause temporary eye irritation.

Acute effects of exposure:

None known.

Chronic effects of exposure:

None known.

Carcinogenicity:

No carcinogenic components known.

**VI. EMERGENCY AND FIRST AID PROCEDURES**

Contact your local Poison Control Center in case of accidental contact which causes or is expected to cause an adverse medical reaction.

First aid for eyes:..... Flush eyes with plenty of water for 15 minutes. Contact physician if irritation persists.

First aid for skin:..... Wash with soap and water. Contact physician if irritation persists.

First aid for inhalation: Remove to fresh air.

First aid for ingestion: Drink plenty of water.

**VII. EMPLOYEE PROTECTION RECOMMENDATIONS**

Eye protection:..... If granules may come in contact with eyes, wear eye protection.

Skin protection:..... Cover open sores.

Respiratory protection: ..... None required.

Ventilation requirements:..... Use outdoors only.

Additional protective measures: None required.

**VIII. REACTIVITY DATA**

Stability:..... Stable

Hazardous polymerization:..... Does not occur.

Incompatibilities:..... None known.

Instability conditions:..... None known.

Decomposition products:..... Not established.

**IX. SPILL AND LEAK PROCEDURES:**

Cleanup procedures:..... Sweep spill, repackage in labeled container and reuse.

Waste disposal method:..... Reuse product if possible. May be placed in household waste.

**X. SPECIAL PRECAUTIONS AND STORAGE DATA**

Technical shipping name:..... Not regulated.

Proper shipping name:..... Not regulated.

Hazard Class or Division:..... Not regulated.

**XI. OTHER REGULATORY INFORMATION**

NFPA Ratings: Health 1

Flammability 1

Reactivity 0

Other 0

0 = insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme

**XII. FEDERAL REGULATORY INFORMATION**

OSHA Status:..... Components listed.

TSCA Status:..... This product is exempt from TSCA Regulation.

CERCLA Reportable Quantity:..... No components listed.

SARA Title III

Section 302:..... No components listed.

Section 311/312:..... No components listed.

Section 313:..... No components listed.

RCRA Status:..... Not considered a hazardous waste under RCRA.

**XIII. DISCLAIMER**

Information contained in this Material Safety Data Sheet is accurate as of the date written. No implications are intended beyond information presented in this document.