



Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Product Name: Reflections™

Chemical Name: Soil additive

Common Name, Synonym: None known

Material Uses: Reflectant, Fertilizer

Manufacturer/Manufactured For: Miller Chemical & Fertilizer, LLC

120 Radio Rd. P.O. Box 333, Hanover, PA 17331

Phone: (800) 233-2040 CHEMTREC: (800) 424-9300

Section 2 – Composition/Information on Ingredients

Ingredient Name	CAS Number	%
This product does not have any hazardous components or chemicals reportable under Section 313 of Title 111 of SARA		

Section 3 – Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Primary Entry Routes: Ingestion

Target Organs: Eyes, skin and stomach.

Potential Health Effects

Inhalation: May cause slight irritation if mist occurs.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Large doses may cause nausea, vomiting, and stomach pain or cramps.

Acute Effects: Irritation

Chronic Effects: None known

Signs and Symptoms of exposure: Eye contact may produce irritation and/redness.

Medical Condition Aggravated by Long-Term Exposure: None known

Physical Hazards: Refer to MSDS section 7 for handling and storage

Signal Word: Not applicable/non-hazardous



Product Name: Reflections

Section 4 – First Aid Measures

EYE CONTACT

Burning or irritation to eyes

SKIN CONTACT

No effects of exposure expected due to contact

INHALATION

No noticeable contact

INGESTION

May cause irritation to the mouth, nose, and throat; possible nausea and discomfort

Section 5 – Fire-Fighting Measures

Flash Point (METHOD):	Non-Flammable
Auto-Ignition:	Not Available
Flammable Limits:	Not Available
Extinguishing Media:	Use water spray, chemical foam, carbon dioxide, or dry chemical
Special Fire Fighting Procedures:	Use extinguishing media applicable to primary source of fire
Unusual Fire and Explosion Hazards:	None

Section 6 – Accidental Release Measures

For Spills:

Absorb with inert material and dispose in accordance with applicable regulations

Waste Disposal Method

Dispose of in accordance with local, state, and Federal regulations

Section 7 – Handling and Storage

Respiratory Protection:	None
Ventilation:	None required
Protective Gloves:	None required
Eye Protection:	None required

KEEP FROM FREEZING – Store between 40 F to 100 F

Section 8 – Exposure Controls/Personal Protection

Engineering Controls:

Mechanical: General ventilation is usually adequate.



Product Name: Reflections

Respiratory Protection:	If exposure limits are exceeded, or if exposure may occur, use a NIOSHA/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSHA publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSHA/MSHA approved positive pressure-breathing apparatus should be readily available.
Eye Protection:	Chemical goggles or face shield. Always wear eye protection when working with chemicals. Never wear contact lenses when working with chemicals.
Skin Protection:	Rubber gloves. Clean protective body covering, rubber apron, and rubber boots.
Work Hygienic Practices:	Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking or smoking. If contact occurs, remove contaminated clothing. If needed, take First Aid action shown in Section IV. Launder contaminated clothing before use.
Other Protective Equipment:	Safety shower, eye wash fountain, and washing facilities should be readily available.

Section 9 – Physical and Chemical Properties

Appearance/Odor:	White liquid
pH:	7 to 9
Boiling point/Boiling range:	>212°F (100°C)
Viscosity (cps @ 20c)	6,000 to 8,000
Freeze Point:	32°F (0°C)
Flash Point:	>212°F (100°C)
Vapor Pressure (mmHg):	Not Determined
Vapor Density (Air=1):	Not Determined
Solubility in Water:	Dispersible
Specific Gravity (H₂O=1):	1.2 to 1.3
Evaporation Rate (NA=1):	Not Determined
Percent Volatile by Volume:	<62.0
Melting Point:	Not Applicable

Section 10 – Stability and Reactivity

Chemical Stability:	Stable
Materials to Avoid:	None
Incompatible Materials:	None known



Product Name: Reflections

Decomposition or Byproducts:	From thermal reaction carbon dioxide and carbon monoxide
Hazardous Polymerization:	Will not occur
Polymerization Avoid:	N/A

Section 11- Toxicological Information

Toxicity Data:

Acute Eye Irritation: Data not available
Skin Sensitization: Data not available
Acute Dermal Effects: Data not available
Acute Dermal Irritation: Data not available
Acute Oral Effects: Data not available
Mutagenicity: Data not available
Acute Inhalation Effects: Data not available
Teratogenicity: Data not available

Section 12 – Ecological Information

Ecotoxicity: Data not available
Aquatic Toxicity: Data not available
Environmental Fate: Data not available

Section 13 – Disposal Considerations

Disposal:	If uncontaminated, recover and reuse as product. If contaminated with other materials, the nature and extent of contamination may require use of specialized disposal methods. Consult local, county, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations
Disposal Regulatory Requirements:	Consult local, county, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations
Container Cleaning and Disposal:	Consult local, county, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations

Section 14 – Transport Information

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

PACKING GROUP:

HAZARD CLASS:



Product Name: Reflections

LABEL/PLACARD REQUIRED:

UN/NA No.:

WATER TRANSPORTATION

PROPER SHIPPING NAME:

PACKING GROUP:

HAZARD CLASS:

LABEL/PLACARD REQUIRED:

UN/NA No.:

AIR TRANSPORTATION

PROPER SHIPPING NAME:

PACKING GROUP:

HAZARD CLASS:

LABEL/PLACARD REQUIRED:

UN/NA No.:

OTHER AGENCIES:

SECTION 14 NOTES: This product is not considered a hazard

Section 15 – Regulatory Information

EPA Regulations:

Reportable Quantity –CERCLA: Not applicable

SARA Title III (EPCRA): Not applicable

RCRA Waste Code: Not applicable

State Regulations:

CA Proposition 65: Not applicable

EPA National Response Center (800) 424-8802

Section 16 – Other Information

Preparation Date: 01/18/2015

Prepared By: Science™ Product Division

Revision Date:

Revision Notes:

NOTICE TO READER: THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET ("MSDS") RELATES ONLY TO THE SPECIFIC PRODUCT(S) DESIGNATED HEREIN



Product Name: Reflections

(THE "PRODUCT"). THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CURRENT AND CORRECT AS OF THE DATE OF THIS MSDS, AND OBTAINED FROM SOURCES THAT ARE BELIEVED TO BE RELIABLE. HOWEVER, THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, REPRESENTATIONS OR LICENSE OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO ACCURACY, CORRECTNESS, OR COMPLETENESS, AND NEITHER SCIENCE™ PRODUCTS DIVISION NOR ITS MARKETING AFFILIATES (EACH, A "SELLER") ASSUME ANY LEGAL RESPONSIBILITY FOR THE USE OR RELIANCE UPON SAME.