



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name | Lilly Miller Rose & Flower Food 5-8-4

Product Code | Fert CD; 100047936; UPC# 0-70624-00706-8 |

Product Description Variable colored granules.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use | Specialty Plant Food

Restrictions on use | Keep out of the reach of children and domestic animals. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Do not use or store near heat or open flame.

Details of the supplier of the safety data sheet

Manufacturer Lilly Miller Brands
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339

Emergency telephone numbers

| 1-800-424-9300 - CHEMTREC - Transportation related emergencies

1-7035273887 CHEMTREC Outside North America Collect Calls Accepted

1-800-265-0761

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 | Combustible Dust

Label elements

OSHA HCS 2012

WARNING

Hazard statements | May form combustible dust concentrations in air.

Other hazards

OSHA HCS 2012 | Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3-Composition/Information on Ingredients

Substances

| Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Organic Poultry Waste	NDA	5% TO 65%
Other ingredients	NDA	35% TO 95%

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation** | IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms persist.
- Skin** | IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- Eye** | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion** | IF SWALLOWED: call a poison center or doctor if you feel unwell. Rinse mouth.

Most important symptoms and effects, both acute and delayed

| Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician | Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media | Use water, foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media | Avoid heavy hose streams.

Firefighting Procedures | Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Eliminate ignition sources. Move containers from fire area if you can do it without risk. Stay upwind.
LARGE FIRES: Dike fire control water for later disposal; do not scatter the material.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products | Toxic gases emitted if heated which may include oxides of carbon and nitrogen.

Advice for firefighters

| Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions | Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Avoid dust formation and breathing dust.

Emergency Procedures | Contain spill and monitor for excessive dust accumulation. Turn off electric power to area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Environmental precautions

| Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures | Avoid generating dust.
Use appropriate Personal Protective Equipment (PPE)
Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
Sweep or scoop up spills, dispose of any unusable material in approved landfill. Non-sparking tools should be used.

Section 7 - Handling and Storage

Precautions for safe handling

Handling | Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage | Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources. Keep out of reach of children. Keep container tightly closed. Store covered away from exposure to rain and snow. Avoid humid, wet or moist conditions. Keep away from incompatible materials such as reducing agents. Do not blend or store in contact with ammonium nitrate.

Incompatible Materials or Ignition Sources | May be corrosive to mild steel. Slightly corrosive to aluminum, zinc, or copper. Non-corrosive to glass, 304 or 316 stainless steel. May be reactive with halogens and slightly reactive with oxidizing agents, reducing agents, acids, alkalis, moisture.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines | No data available.

Exposure Limits/Guidelines		
Result	ACGIH	OSHA
Lilly Miller Rose & Flower Food 5-8-4	10 mg/m3 TWA (inhalable particles, recommended); 3	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable)

Particulates not otherwise classified (PNOC)	TWAs	mg/m3 TWA (respirable particles, recommended) as <i>Particulates not otherwise classified (PNOC)</i>	fraction) as <i>Particulates not otherwise classified (PNOC)</i>
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Exposure controls

Engineering Measures/Controls

- It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Personal Protective Equipment

Pictograms



Respiratory

- If airborne dust is present or in case of inadequate ventilation, use appropriate respiratory protection. Use of half/full face air purifying or N95 dust mask is recommended.

Eye/Face

- Wear safety glasses.

Hands

- Wear appropriate gloves.

Skin/Body

- Wear protective gloves/protective clothing/eye protection/face protection. Use full body suit such as Tyvek or Tychem suit is recommended.

Environmental Exposure Controls

- Refer to Section 13 - Disposal Considerations.

Section 9-Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Variable colored granules.
Color	Varies	Odor	Varies
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Bulk Density	45 to 80 lb(s)/ft ³
Water Solubility	No data available	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air

suspensions that are ignitable under some conditions.

Chemical stability

- | Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- | Hazardous polymerization will not occur. May form combustible dust concentrations in the air.

Conditions to avoid

- | Heat, sparks, open flame. Avoid storage with or near toxic substances. Avoid contact with moisture. Slow hydrolysis may produce acids corrosive to metals.

Incompatible materials

- | Material may be incompatible with halogens, oxidizing agents, reducing agents, acids, alkalis, moisture, potassium chlorate, potassium nitrate, sodium nitrate, sodium hypochlorite, metal chlorates, strong bases. May be corrosive to mild steel and slightly corrosive to aluminum, zinc, or copper.

Hazardous decomposition products

- | Flammable/toxic gases will form at elevated temperatures by thermal decomposition. May release ammonia, oxides of sulfur, oxides of nitrogen, and oxides of carbon.

Section 11-Toxicological Information

Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking.
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)** | Exposure to dust may cause mild respiratory irritation.
- Chronic (Delayed)** | Repeated or prolonged inhalation of dust may cause respiratory irritation.

Skin

- Acute (Immediate)** | Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)** | No data available.

Eye

- Acute (Immediate)** | May cause eye irritation.
- Chronic (Delayed)** | No data available.

Ingestion

- Acute (Immediate)** | Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** | No data available.

Other

- Chronic (Delayed)** | No data available.

Section 12 - Ecological Information

Toxicity

- | No data available

Persistence and degradability

- | No data available.

Bioaccumulative potential

- | No data available.

Mobility in Soil

- | No data available.

Other adverse effects

- Potential Environmental Effects** | No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste | Do not contaminate water when disposing of equipment washwaters. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste | Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Nonrefillable container. Do not reuse or refill container. See product label for container disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	None	Not Regulated	N/A	N/A	N/A
IMO/IMDG	N/A	Not Regulated	N/A	N/A	N/A
IATA/ICAO	N/A	Not Regulated	N/A	N/A	N/A

Special precautions for user | None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No data available

Other information

IMO/IMDG | No data available

IATA/ICAO | No data available

Key to abbreviations

= N/A = Not applicable.

Section 15-Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications | Not regulated

Section 16-Other Information

Last Revision Date | 26/May/2015

Preparation Date | 13/May/2015

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