



Safety Data Sheet

Full Measure Cal™

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03
Canadian Workplace Hazardous Material Information System (WHMIS) 2015
Mexico NOM-018-STPS-2000; NOM-018-STPS-2015
GHS (Globally Harmonized System)

Issue Date 28/Feb/2022
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Revision Number 1.0 NA
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Full Measure Cal™
Pure substance/mixture Non-hazardous Mixture

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

Recommended use Fertilizer
Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Miller Chemical and Fertilizer, LLC
120 Radio Rd
Hanover, PA 17331
Tel.: 717-632-8921
Fax.: 717-646-1104

Internet <http://www.millerchemical.com>

E-mail info@millerchemical.com

1.4. Emergency telephone number CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

OSHA Regulatory Status This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.2. Label elements

Symbols/Pictograms None
Signal Word None
Hazard Statements None

Precautionary Statements

Additional information Not applicable

Hazards not otherwise classified (HNOC) None known

SECTION 3: Composition/information on ingredients

Pure substance/mixture Non-hazardous Mixture

| Chemical Name | CAS Number | TSCA: United States | Canada (DSL) | Mexico | OSHA Regulatory Status | WHMIS | Weight-% |
|---------------|------------|---------------------|--------------|--------|------------------------|-------|----------|
| Non-Hazardous | -- | A | Y | N | Not regulated | -- | 100 |

Legend

Y: Complies ; A: Active ; - / N: Exempt / Not Listed

SECTION 4: First aid measures

4.1. Description of first aid measures**General Advice**

When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and wash before reuse. Get medical attention.

Ingestion

DO NOT INDUCE VOMITING. If vomiting occurs naturally, reduce the risk of aspiration by leaning their body forward. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Inhalation

Remove to fresh air. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable Extinguishing Media**

Water spray (fog). Foam. Carbon dioxide (CO2). Dry chemical.

Unsuitable Extinguishing Media

None known.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters**Special protective equipment for firefighters**

None known.

Fire-fighting measures

Water mist may be used to cool closed containers. No special fire protection measures are necessary. Standard procedure for chemical fires.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep unauthorized personnel away. In case of fire: Stop leak if safe to do so.

For non-emergency personnel Keep unauthorized personnel away.

For emergency responders Keep unauthorized personnel away. Use personal protection recommended in Section 8.

6.2. Environmental precautions Avoid runoff to waterways and sewers.

6.3. Methods and material for containment and cleaning up To clean up residue, flush sparingly with water or use an absorbent. It may be necessary to remove contaminated soil.

6.4. Reference to other sections See Section 8 for exposure controls and personal protection. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling** Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Wear appropriate personal protective clothing to prevent skin contact.
- 7.2. Conditions for safe storage, including any incompatibilities** Keep from freezing. Keep at temperatures between 40°F to 100°F.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Occupational exposure limits No information available

Biological Limit Values No information available

8.2. Exposure controls

Engineering Measures Provide a good standard of controlled ventilation (5 to 10 air changes per hour). Use exhaust ventilation to keep airborne concentrations below exposure limits. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear suitable protective clothing.

Hand Protection For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

Environmental Exposure Controls Dispose of in accordance with local regulations.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance:**

| | |
|--------------------------------------|------------------------------------|
| Physical State | Liquid |
| Color | Beige |
| pH | 7 - 9 |
| Melting Point / Melting Range | Not applicable |
| Boiling Point / Boiling Range | >= 212 °F (100 °C) |
| Freezing Point | <32 °F (0 °C) |
| Flash Point | Not determined |
| Evaporation Rate | Not determined |
| Flammability (solid, gas) | Not determined |
| Vapor Pressure | Not determined |
| Vapor Density | Not determined (Air = 1) |
| Water Solubility | Dispersible |
| Viscosity | 6,000 - 8,000 cPs @ 68 °F / 20 °C. |
| Specific Gravity | 1.2 to 1.3 (H ₂ O=1) |
| Percent Volatile | <62.0 |

SECTION 10: Stability and reactivity

| | |
|---|--|
| 10.1. Reactivity | Stable under normal conditions |
| 10.2. Chemical stability | Stable under normal conditions |
| 10.3. Possibility of hazardous reactions | Hazardous polymerization does not occur |
| 10.4. Conditions to avoid | None known |
| 10.5. Incompatible materials | None known |
| 10.6. Hazardous decomposition products | Thermal decomposition products: Carbon oxides |

SECTION 11: Toxicological information

General Information Users are advised to consider national Occupational Exposure Limits or other equivalent values.

Information on Likely Routes of Exposure

Inhalation Avoid inhalation of the product

Skin No information available

Eyes May cause irritation.

Ingestion None known

11.1. Information on toxicological effects

Acute Toxicity No data available

Skin Corrosion/Irritation No data available

Skin Sensitization No data available

Mutagenicity Not mutagenic

Carcinogenicity Not listed as a carcinogen.

SECTION 12: Ecological information

12.1. Ecotoxicity Not considered to be harmful to aquatic life.

12.2. Persistence and degradability No data available

12.3. Bioaccumulative potential No data available

12.4. Mobility in soil No data available

12.5. Results of PBT and vPvB assessment No data available

12.6. Other adverse effects No information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

| | |
|-------------------------------|--|
| Disposal Methods | If uncontaminated, recover and reuse as product. If contaminated with other materials, the nature and extend of contamination may require use of specialized disposal methods. Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Product residue may remain in empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

SECTION 14: Transport information**Mode of Transportation (Road, Water, Air, Rail)**

| | |
|--------------------|---------------|
| TDG -Canada | Not regulated |
| DOT | Not regulated |
| IATA | Not regulated |
| IMDG/IMO | Not regulated |
| ICAO | Not regulated |

| | |
|---|----------------|
| 14.1. UN number | None |
| 14.2. UN proper shipping name | None |
| 14.3. Transport hazard class(es) | None |
| 14.4. Packing group | None |
| 14.5. Environmental hazards | No |
| 14.6. Special precautions for user | Not applicable |

SECTION 15: Regulatory information**Global Inventories****Pure substance/mixture** Non-hazardous Mixture

| Chemical Name | CAS Number | Canada (DSL) | Mexico | TSCA: United States |
|---------------|------------|--------------|--------|---------------------|
| Non-Hazardous | -- | Y | N | A |

Legend

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EPA**CWA (Clean Water Act)**

Not regulated

CAA (Clean Air Act)

Not regulated

U.S. State Right-to-Know Regulations

| Chemical Name | CAS Number | California Proposition 65 | Massachusetts | Minnesota | New Jersey | Pennsylvania |
|---------------|------------|---------------------------|---------------|-----------|------------|--------------|
| Non-Hazardous | -- | N | N | N | N | N |

Legend

Y: Complies ; - / N: Not Listed

CANADA**WHMIS**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

SECTION 16: Other information**Prepared by**Miller Chemical and Fertilizer, A Huber Company, Global Regulatory Affairs
regulatory.affairs@huber.com**Issue Date**

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Revision Number

1.0 NA

Reason for Version

OSHA (Occupational Safety and Health Administration of the US Department of Labor).

Abbreviations and acronyms

OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 WHMIS (Workplace Hazardous Materials Information System)
 GHS (Globally Harmonized System)
 IARC (International Agency for Research on Cancer)
 PPE (Personal Protection Equipment)
 TWA (Time-Weighted Average)
 TLV® (Threshold Limit Value)
 STEL (Short Term Exposure Limit)
 RQ (Reportable Quantity) (RQ/% in mixture)
 DOT (Department of Transportation)
 TDG (Transport of Dangerous Goods) Canada
 IATA (International Air Transport Association)
 IMDG (International Maritime Dangerous Goods)

MILLER CHEMICAL

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ICAO (International Civil Aviation Organization)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet