SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Vapor Gard®
Pure substance/mixture: Non-hazardous Mixture

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

Recommended use: Adjuvant
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
Hazard not otherwise classified (HNOC)  None known

SECTION 3: Composition/information on ingredients

Pure substance/mixture  Non-hazardous Mixture
This product has been tested as a whole to determine its hazard - see section 11

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>TSCA: United States</th>
<th>Canada (DSL)</th>
<th>Mexico</th>
<th>OSHA Regulatory Status</th>
<th>WHMIS</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Hazardous</td>
<td>--</td>
<td>A</td>
<td>Y</td>
<td>N</td>
<td>Not classified</td>
<td>--</td>
<td>100</td>
</tr>
</tbody>
</table>

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
Dry chemical. Carbon dioxide (CO2). Water spray (fog). Sand/Earth.

Unsuitable Extinguishing Media
None known.

5.2. Special hazards arising from the substance or mixture
Carbon oxides. Combustion products may be toxic.

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
Shut off leak if safe to do so. Dike area, recover and reclaim material if possible. This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Absorb the liquid on material such as sand, vermiculite, or other inert, noncombustible absorbent and place in a clean, dry container suitable for disposal. Containers should be closed and segregated for later disposal. Scrub the area with detergent and water.

Solids must be disposed of in a permitted waste management facility. Recovered liquid may be reprocessed or incinerated. Incineration must be handled in a permitted facility. Dispose in accordance with local, state and national regulations.

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
For industrial use only. Keep container closed when not in use. Provide adequate ventilation when container are open. Keep at temperatures between 41°F and 104°F (5°C and 40 °C). Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow to Amber</td>
</tr>
<tr>
<td>Odor</td>
<td>Moderate</td>
</tr>
<tr>
<td>pH</td>
<td>6.0 - 7.0 @ 20 °C</td>
</tr>
<tr>
<td>Boiling Point / Boiling Range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 212°F (100°C)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined (Air = 1)</td>
</tr>
<tr>
<td>Density</td>
<td>7.78 - 7.90 lbs/gal @ 68°F (20°C)</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Emulsifies</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.93 - 0.95 g/mL @ 68 °F (20 °C)</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

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    Heat, flames and sparks
10.5. Incompatible materials Strong oxidizing agents
10.6. Hazardous 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
May cause slight irritation if mist occurs

Skin
May cause irritation

Eyes
May cause irritation.

Ingestion
Large amount of material can cause serious diarrhea. Nausea and vomiting may also occur and possibly abdominal cramping.

11.1. Information on toxicological effects

Non-Hazardous

Oral LD50
>5050 mg/kg (rat)

Dermal LD50
>5050 mg/kg (rabbit)

Inhalation LC50
>5260 mg/m³ (rat)

Acute Toxicity
May cause irritation

Chronic Effects
None known

Serious eye damage/eye irritation
Contact with eyes may cause irritation

Skin Corrosion/Irritation
May cause skin irritation.

Mutagenicity
Not mutagenic

Carcinogenicity
Not listed as a carcinogen.
SECTION 12: Ecological information

12.1. Ecotoxicity
This product is a spray adjuvant. Large spills could possibly damage vegetation. Contamination of waterways could possibly cause fish kills. Prevent spilled substance from entering water supplies or water courses.

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)

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
This product has been tested as a whole to determine its hazard - see section 11

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EPA

CWA (Clean Water Act)
Not regulated

CAA (Clean Air Act)
Not regulated

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>California Proposition 65</th>
<th>Massachusetts</th>
<th>Minnesota</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
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<td>N</td>
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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  18/May/2022
Print Date  18/May/2022

Revision Number  1.0 NA


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)
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