

# MILLER CHEMICAL & FERTILIZER CORPORATION

## Material Safety Data Sheet

Section 1	- Chemical	Product	and	Company	Identification
Section 1	- Unennual	ITUUULL	anu	Company	Inclinication

Product Name: Vapor gard® Chemical Name: Mixture Common Name, Synonym: Terpenic polymer Material Uses: Anti-Transparent Manufacturer/Manufactured For: Miller Chemical & Fertilizer Corp., P. O. Box 333, 120 Radio Road, Hanover, PA 17331 Phone (717) 632-8921 FAX (717) 646-1104 CHEMTREC (800) 424-9300 24 hours every day MSDS prepared by: Miller Chemical & Fertilizer Corp. Date of MSDS Preparation: April 21, 2016

#### Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	%
di-1-p-Menthene		96

## Section 3 - Hazards Identification

#### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆ KEEP OUT OF REACH OF CHILDREN

Primary Entry Routes: Target Organs: Potential Health Effects: Inhalation: May cause mild throat irritation. Eye: May cause slight eye irritation. Skin: May cause mild skin irritation. Ingestion: Acute Effects: Chronic Effects: No data available Medical Conditions Aggravated by Long-Term Exposure: Contact may cause irritation

## **Section 4 - First Aid Measures**

**Eye Contact:** Flush gently and thoroughly for 15 minutes with large amounts of clean water, occasionally lifting upper and lower lids. Seek medical attention if irritation persists

**Skin Contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If redness or rash develops and persists, seek medical attention. Wash or clean contaminated clothing and shoes before wearing again

**Ingestion:** Seek medical attention immediately. **Do not induce vomiting.** Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**Inhalation:** If respiratory symptoms develop, remove person to fresh air immediately. Begin artificial respiration or CPR (cardiopulmonary resuscitation) if required and seek medical attention.

Notes to Physician: None Known

## Section 5 - Fire-Fighting Measures

Flash Point: > 200 °c

Autoignition Temperature: Not known

LEL/UEL: Not known

Extinguishing Media: Foam, carbon dioxide, dry chemical, water spray or sand/earth

Hazardous Decomposition Products: Oxides of carbon under fire conditions.

**Fire-Fighting Instructions:** Use water spray to keep fire-exposed containers cool. Use supplied air breathing apparatus equipment. Use water spray to disperse vapours.

Fire-Fighting Equipment: Full protective clothing and self-contained breathing apparatus.

Unusual Fire or Explosion Hazards: Evacuate people downwind from fire. Control runoff water.

#### **Section 6 - Accidental Release Measures**

Spill /Leak Procedures: ELIMINATE ALL SOURCES OF IGNITION. DIKE OR IMPOUND TO KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES. ABSORB SPILL WITH INERT MATERIAL. SHOVEL INTO WASTE CONTAINERS. WASH AREA WITH WATER, ABSORB WATER WITH INERT MATERIAL. CONTINUE PROCEDURE UNTIL NO ODOR REMAINS. As conditions warrant, notify proper authorities, downstream sewer and water treatment operations, and other downstream users about potentially contaminated water

#### **Section 7 - Handling and Storage**

**Handling Precautions:** Keep containers closed when not in use. Keep from sources of ignition. Do not contaminate food, water or feed by storage or disposal. It is advisable to wash promptly if skin becomes contaminated; before eating, drinking, using tobacco, or chewing gum; before using toilet facilities; and at the end of the work shift before leaving the worksite. **Storage Requirements:** Store at temperatures between 5°C and 50°C (41°F and 121F), in well-ventilated areas away from heat or flame.

#### **Section 8 - Exposure Controls / Personal Protection**

Engineering Controls:

Ventilation: Mechanical ventilation is preferred.

Administrative Controls:

**Respiratory Protection:** A NIOSA/MSHA approved respirator should be worn when vapour inhalation could occur. **Protective Clothing/Equipment:** Chemical protective goggles should be used where splashing may occur. Wear rubber or neoprene gloves. Clothing should include a chemical resistant apron, clean body-covering clothing, gloves, boots and hat. **Safety Stations:** Eye wash stations, safety showers and washing facilities should be readily available.

Contaminated Equipment: Not Known

Comments: None

## **Section 9 - Physical and Chemical Properties**

Physical State: Liquid
Appearance and Odour: yellow to amber liquid: moderate odor
Odour Threshold: Not Known
Vapour Pressure: 0.0212 Pa (mm Hg @ 25c)
Vapour Density (Air=1): Not known
Percent Volatile (by volume): Not known
Evaporation Rate: ND

Formula Weight: Not Known Bulk Density: Not Known Specific Gravity (H<sub>2</sub>O=1): 0.93-0.95 @ 20 °C pH (1% solution): N/A Solubility in water: Emulsifiable

#### Section 10 - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occurChemical Incompatibilities: Strong OxidizersConditions to Avoid: Excessive heat, sources of ignition, strong oxiders.Hazardous Decomposition Products: Oxides of carbon under fire conditions.

#### **Section 11- Toxicological Information**

#### **Toxicity Data:**

**Eye Effects:** May cause slight eye irritation **Acute Dermal Effects:** May cause mild skin irritation. Dermal Toxicity Rats >2000 mg/kg **Acute Oral Effects:** Oral Toxicity Rats >5000 mg/kg

Acute Inhalation Effects: May cause mild throat irritation Inhalation. Toxicity LC50 >2460 mg.m<sup>3</sup> Chronic Effects: Not known Carcinogenicity: None known Mutagenicity: None known Teratogenicity: None known

#### **Section 12 - Ecological Information**

Ecotoxicity: Not Known Aquatic Toxicity: Not Known Environmental Fate: Not known

#### **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 municipal, provincial or federal regulatory agencies for acceptable disposal procedures and disposal locations

**Disposal Regulatory Requirements:** Consult municipal, provincial or federal regulatory agencies for acceptable disposal procedures and disposal locations

**Container Cleaning and Disposal:** Consult municipal, provincial or federal regulatory agencies for acceptable disposal procedures and disposal locations

#### **Section 14 - Transportation Information**

This product is not considered a hazard in transit.

## Section 15 - Regulatory Information

WHIMIS Hazard Class: not regulated

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by those regulations.

## **Section 16 - Other Information**

Preparation Date: February 14, 2012

Prepared By: For Miller Chemical and Fertilizer Corporation by Justin Nace.

Revision Date: May 22, 2012

**Revision Notes:** 

**NOTICE TO READER:** THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET ("MSDS") RELATES ONLY TO THE SPECIFIC PRODUCT(S) DESIGNATED HEREIN (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 MILLER CHEMICAL FERTILIZER AND CORPORATION NOR ITS MARKETING AFFILIATES (EACH, A "SELLER") ASSUME ANY LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON SAME.

<sup>TM</sup> Vapor Gard is a trademark of Miller Chemical and Fertilizer Corporation