



**SECTION 1: IDENTIFICATION**

<b>Product Name</b>	Premium VOC Exempt Retarder
<b>Product Code #</b>	652007.00
<b>Manufacturer</b>	Gemini Industries, Inc.
<b>Address</b>	421 SE 27th Street El Reno, OK 73036
<b>Phone</b>	Local: (800) 262-5710 Toll Free: (800) 444-7833
<b>Emergency Contact</b>	CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924
<b>Recommended Use/Restrictions</b>	Refer to technical data sheet or product label for more information.

**SECTION 2: HAZARD(S) IDENTIFICATION**

<b>Classifications</b>	Skin sensitization: Category 1B Flammable Liquid: Category 3
<b>Pictograms</b>	 
<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	H317   May cause an allergic skin reaction. H226   Flammable liquid and vapor.
<b>Precautionary Statements</b>	P210   Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233   Keep container tightly closed. P240   Ground/bond container and receiving equipment. P241   Use explosion-proof electrical/ventilating/lighting/other equipment. P242   Use only non-sparking tools. P243   Take precautionary measures against static discharge. P261   Avoid breathing dust/fume/gas/mist/vapors/spray. P272   Contaminated work clothing should not be allowed out of the workplace. P280   Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352   IF ON SKIN: Wash with plenty of soap and water. P303 + P361 + P353   IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P321   Specific treatment (see supplemental first aid instruction on this label if immediate administration of antidote/specific measures/cleansing agent/immediate measures is/are appropriate/required). P333 + P313   If skin irritation or rash occurs: Get medical advice/attention. P363   Wash contaminated clothing before reuse. P370 + P378   In case of fire: Use appropriate media for extinction if water increases risk. P403 + P235   Store in a well-ventilated place. Keep cool. P501   Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.



**Percent of the mixture consisting of ingredient(s) of unknown toxicity**

To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Reportable Components</b>	<b>% of Comp.</b>	<b>CAS No.</b>
1-CHLORO-4-(TRIFLUOROMETHYL)-BENZENE	90 - 100%	98-56-6

**SECTION 4: FIRST AID MEASURES**

<b>General Advice</b>	Have Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room.
<b>Eyes</b>	Immediately flush eye with plenty of water for 15 minutes, while lifting upper and lower eyelids. Remove contact lenses if present and easy to do. Continue rinsing. Check eye for chemical burns. Get medical attention.
<b>Skin</b>	Immediately wash with soap and water. Remove contaminated clothing and shoes. Wash or clean thoroughly before reuse. Get medical attention if irritation persists.
<b>Inhalation</b>	Remove to exposure to fresh air. If breathing is difficult, give oxygen. If breathing is stopped, give artificial respiration. Keep person warm and quiet. Get medical attention.
<b>Ingestion</b>	DO NOT INDUCE VOMITING! Call Poison Control Center, (1-800-222-1222) or physician immediately. NOTE: Aspiration of solvents may result in chemical pneumonia.

**SECTION 5: FIRE FIGHTING MEASURES**

<b>Fire Hazard</b>	Yes
<b>Extinguishing Media</b>	Foam, CO2, Dry Chemical, Water Mist
<b>Special Protective Equipment and Firefighting Procedures</b>	Evacuate all unnecessary personnel. Use full protective equipment. Cool closed containers to prevent pressure build-up and possible explosion. Direct water stream is not recommended for oil base fires. Product may float and reignite on surface of water. Do not allow product or runoff from fire control measures to enter storm or sanitary sewers or waterways.
<b>Unusual Fire &amp; Explosion</b>	Explosive vapor mixtures may form which is dangerous when exposed to heat and flame. Vapors are heavier than air and may travel along the ground, or be moved by ventilation, and ignited by pilot lights, stoves, heaters, electric motors, sparks, flame, smoking, static discharge or other ignition sources even at location distant from material handling site. Free falling stream of liquid may cause static electricity build-up and create fire hazard.
<b>Hazardous Combustion Products</b>	See Section 10

**SECTION 6: ACCIDENTAL RELEASE MEASURES**



**Personal Precautions**

Avoid any uncontrolled release of material. Wear chemical splash goggles, impervious gloves, appropriate respirators, and protective clothing until all hazards are known.

**Spills / Leaks**

If spill/leak occurs, eliminate ignition sources and ventilate area. Evacuate all unnecessary personnel. Wear full protective equipment. Dike drains to prevent entering storm or sanitary sewers, rivers, streams, or waterways. Contain spill and cover with inert absorbent material. Clean using non-sparking tools (aluminum, brass, copper) and place mixture into containers for disposal. Note: Some spills/releases may require special reporting to local, state or federal agencies.

**SECTION 7: HANDLING AND STORAGE**

**Handling**

Handle using good industrial hygiene and safety practices. Avoid breathing vapors, spray mists, or dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate ventilation, respiratory and personal protection. Avoid spraying hot surfaces.

**Storage**

Keep liquid and vapor away from heat, sparks, and flame. Turn off or remove all sources of ignition. Use proper methods of ventilation to prevent vapor buildup. Avoid contact with hot metal surfaces. Avoid free fall of liquids. Ground and bond fixed equipment, pails, drums and other transfer containers. Do not reuse, weld, drill, or heat empty containers which may contain explosive vapors.

Keep container closed when not in use and during transit. Store container in an upright position in a cool, dry environment and protect from damage. Use adequate ventilation. Follow label warnings until thoroughly cleaned or until container is sent for disposal. Do not remove or deface labels until empty containers have been destroyed or thoroughly cleaned. Do not transfer product to unlabeled containers. Do not store above 120 deg. F (50 deg. C).

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits**

Chemical Description	OSHA PEL	ACGIH TLV	Other
1-Chloro-4-(trifluoromethyl)-benzene	NOT EST.	NOT EST.	NOT EST.

**Engineering Controls**

USE ONLY WITH ADEQUATE VENTILATION. Provide mechanical ventilation, local exhaust or other appropriate means of ventilation to prevent build-up of vapor or dust. Keep worker exposure to airborne contaminants below suggested or allowable limits. Keep area vapor and/or dust concentrations below lower explosive limits. Eye wash and safety showers are recommended in the workplace.

**Personal Protective Equipment**

**Hand**

Wear impermeable, chemical resistant gloves to prevent skin contact. Consult safety equipment supplier for specific recommendations of construction material. Wash hands with soap and water after using and before eating or using tobacco products.

**Eyes**

Wear chemical goggles designed to protect eyes against vapor, liquid splash and



mists unless full-face respirator is worn. Ensure eye wash and safety showers are near workstations. NOTE: Contact lenses may contribute to the severity of an eye injury and should be removed immediately if exposure occurs.

**Skin** Wear protective clothing, including headcap, to avoid skin contact with liquid or overspray. Thoroughly clean contaminated clothing and shoes before reuse.

**Respiratory** USE ADEQUATE VENTILATION! Ensure fresh air entry during application and drying. If you experience eye watering, headache, dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved for the hazardous ingredients listed in Section 3) during and after application. If appropriate, use respirator pre-filter or dust/particle mask to avoid breathing sanding dust Follow respirator manufacturer's instructions for use. Periodically monitor exposure levels to hazardous ingredients listed in Section 3 and review permissible exposure limits above.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Clear liquid	<b>Upper Flammability/Explosive Limit</b>	10.50
<b>Odor</b>	Pungent solvent	<b>Lower Flammability/Explosive Limit</b>	0.90
<b>pH value</b>	No Data	<b>Vapor Pressure</b>	5.30
<b>Freezing Point (F)</b>	No Data	<b>Vapor Density</b>	No Data
<b>Boiling Point (F)</b>	No Data	<b>Vapor Temperature</b>	68.00
<b>Boiling Range</b>	282.00 - 282.00	<b>Relative Density/Specific Gravity</b>	11.26610
<b>Flash Point (F)</b>	109.00	<b>Solubility</b>	Not Water Soluble
<b>Flash Point Method Used</b>	P Marten	<b>Partition Coefficient</b>	No Data
<b>Evaporation Rate</b>	Slower than butyl acetate	<b>Auto-Ignition Temperature</b>	No Data
<b>Flammability</b>	Yes	<b>Decomposition Temperature</b>	No Data
<b>Viscosity</b>	See Tech Data Sheet		

**SECTION 10: STABILITY AND REACTIVITY**

<b>Chemical Reactivity</b>	Will not occur.
<b>Chemical Stability</b>	Stable.
<b>Conditions to Avoid</b>	High temperatures, humidity, ignition sources and vapor build-up.
<b>Materials to Avoid</b>	Not Applicable.
<b>Hazardous Decomposition</b>	Carbon Monoxide, Carbon Dioxide, Hydrocarbons, Aldehydes, Other Organic Compounds



**SECTION 11: TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

Reportable Components	LD50 Oral	LC50 Inhalation	LD50 Dermal
1-Chloro-4-(trifluoromethyl)-benzene	Not available	Not available	Not available

**Inhalation**

**Description of Effects From Short- and Long-Term Exposure:**

Vapors and mists irritate nose, throat, and lungs (burning, stinging, coughing). May cause headache, dizziness, nausea, weakness, shortness of breath and loss of coordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Exposure to extremely high vapor concentrations may cause unconsciousness and asphyxiation. Dust, sanding dusts and particles may cause nose and throat irritation.

**Ingestion**

**Description of Effects From Short- and Long-Term Exposure:**

Causes nausea, vomiting, diarrhea and severe central nervous system depression (headache, dizziness, nausea, loss of coordination).

**Eyes**

**Description of Effects From Short- and Long-Term Exposure:**

Contact with liquid or vapors causes severe irritation (redness, watering, itching, stinging, blurred vision) and possible cornea damage.

**Skin**

**Description of Effects From Short- and Long-Term Exposure:**

Contact causes mild to severe irritation (dryness, itching, cracking, rash and swelling) and possible burns with prolonged contact. May cause an allergic skin reaction.

**Carcinogen Information**

Not Applicable.

**Carcinogens Listing**

NTP	No
IARC	No
OSHA	No

**SECTION 12: ECOLOGICAL INFORMATION**

**Aquatic Toxicity** Not Applicable.



**Biodegradability** Readily biodegradable

**Bioaccumulation** Not expected

**SECTION 13: DISPOSAL CONSIDERATION**

Waste materials and empty container must be disposed of in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location. Empty containers may hold hazardous vapors. Do not weld or expose to heat.

**SECTION 14: TRANSPORT INFORMATION**

**DOT Description**

UN1263, PAINT RELATED MATERIAL, 3, PGIII

**SECTION 15: REGULATORY INFORMATION**

**TSCA Status** In compliance with TSCA inventory requirements for commercial purposes.

**SARA 312 Regulated Chemical(s)** 1-Chloro-4-(trifluoromethyl)-benzene

**SARA 313 Regulated Chemical(s)**

**California Prop. 65**  **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**PA Right to know Chemical(s)**

**NJ Right to know Chemical(s)**

**MA Right to know Chemical(s)** 1-Chloro-4-(trifluoromethyl)-benzene

**Canada** Not Applicable.

**Additional Regulatory Information** Not Applicable.



**SECTION 16: OTHER INFORMATION**

**HMIS**

Premium VOC Exempt Retarder

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>X</b>

**HMIS® Hazardous Material Information System**

HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risk, and 4 representing significant hazards or risks. HMIS was developed as a means of identifying and communicating workplace hazards associated with paints and coatings. Ratings are to be used with a fully implemented HMIS program. The workplace employer is responsible for determining the Personal Protection (PPE) code of this material.

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