

# SAFETY DATA SHEET



Issue Date: October 1, 2020

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Version: 2020V1.0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Certi-Vex Guard Clear AIM

**Other Means of Identification**

**SDS #:** 20-058V

**Recommended Use:**

**Restrictions on Use:** No Data

**Supplier of the Safety Data Sheet including Address:**

ChemMasters Inc.  
300 Edwards Street  
Madison, OH 44057

**Telephone Numbers**

**Company Phone Number**

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

**Emergency Telephone:** ChemTrec 800-424-9300

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**OSHA Hazards:**

**Highly Flammable Liquid. Causes Skin and eye Irritation, may cause drowsiness or dizziness, may be fatal if swallowed and enters airways, toxic to aquatic life with long lasting effects.**

**Target Organs:** Eyes, Skin, Respiratory System

**GHS Classification:**

**Flammable Liquid- Category 2**

**Skin Irritation- Category 2**

**Skin Sensitization- Category 1B**

**Eye Irritation- Category 2B**

**Specific target organ toxicity – single exposure Category 3**

**Aspiration Hazard Category 1**

**Acute Toxicity, Inhalation Category 4**

**Label Elements, including precautionary statements**

**Pictograms:**



**Signal Word: Danger**

**Hazard Statements:**

H225      **Highly Flammable Liquid and Vapor.**  
H332      **Harmful if inhaled**  
H320      **Causes eye irritation**  
H335      **May cause respiratory irritation**  
H336      **May cause drowsiness or dizziness**  
H317      **May cause allergic skin reaction**  
H315      **Causes skin irritation.**

**Precautionary Statement(s)**

**Prevention:**

P210      **Keep away from heat/sparks/open flames/hot surfaces. No smoking.**  
P233      **Keep container tightly closed.**  
P240      **Ground and bond the container and receiving equipment.**  
P241      **Use explosion-proof electrical/ventilating/lighting equipment.**  
P242      **Use non-sparking tools.**  
P243      **Take action to prevent static discharges.**  
P261      **Avoid breathing fume/mist/vapors/spray.**  
P264      **Wash hands and skin thoroughly after handling.**  
P270      **Do not eat, drink or smoke when using this product.**  
P271      **Use only outdoors or in a well-ventilated area.**

**Response:**

P301+P312      **IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.**  
P330      **Rinse mouth.**  
P304+P340+P312 **IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.**  
P305+P351+P338 **IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**  
P337+P313      **If eye irritation persists: Get medical advice or attention.**

**Storage:**

P403+P233      **Store in a well-ventilated place. Keep container tightly closed.**  
P405      **Store locked up.**

**Disposal:**

P501      **Dispose of contents/container in accordance with local/regional/national regulations.**

**Hazards not otherwise classified: may cause skin irritation.**

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Component**

Acetone	CAS#: 67-64-1	35-45%
Acrylic Co-Polymer	CAS# Nonhazardous	20-25%
P-Chlorotrifluorotoluene	CAS#: 98-56-6	12-18%
Solvent Naphtha, Light Aromatic	CAS#: 6472-95-6	15-20%
Triethoxyoctylsilane	CAS#: 2943-75-1	<10%

**The solvent portion CAS# 6472-95-6 contains the following section 313 reportable ingredients**

1,2,4 Trimethyl Benzene	CAS# 95-63-6	<32%
Xylenes	CAS# 1330-20-7	<3%
Cumene	CAS# 98-82-8	<2%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

#### **4. FIRST AID MEASURES**

##### **First Aid Measures**

**General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If not breathing, give artificial respiration. Consult a physician.

**Eye Contact:** 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 or attention.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water.

**Skin Contact:** Wash off with soap and plenty of water. If skin irritation occurs, get medical advice or attention.

#### **5. FIRE-FIGHTING MEASURES**

##### **Suitable Extinguishing Media**

Material is Flammable. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for the surrounding fire.

**Specific Hazards Arising from the Chemical:** Do not use high volume water jet.

**Hazardous Combustion Products:** Carbon oxides, Silicon oxides, formaldehyde

##### **Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus and full protective gear for firefighting.

**Further Information:** See Section 7 for safe handling and storage.

#### **6. ACCIDENTAL RELEASE MEASURES**

##### **Personal Precautions, Protective Equipment and Emergency Procedures**

In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation. Non-sparking tools should be used.

##### **Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

##### **Methods and Material for Containment and Cleaning Up**

Dike and contain spill with inert absorbent materials. Soak up with inert material and keep in suitable, closed containers for disposal. Dispose of in accordance with specified local/regional/national/international regulations for disposal.

## 7. HANDLING AND STORAGE

### **Precautions for Safe Handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

### **Conditions for Safe Storage, Including any Incompatibilities**

**General information:** Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store this product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

**Safe Storage:** No Additional Data

**Incompatibilities:** Strong oxidizing agents, explosives, gases

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure Guidelines:**

#### **Component Exposure Limits**

**Acetone, CAS# 67-64-1:** ACGIH TLV TWA: 1200 mg/m<sup>3</sup>, OSHA PEL TWA 2400 mg/m<sup>3</sup>

**PCBTF, CAS# 98-56-6:** ACGIH TWA 2.5 mg/m<sup>3</sup>

**Triethoxyoctylsilane, CAS# 2943-75-1:**  
No workplace control parameters

Components of decomposition products:

Ethanol, CAS# 64-17-5: ACGIH STEL: 1000 ppm, NIOSH REL TWA 1000 ppm, OSHA Z-71 1000ppm

### **Appropriate Engineering Controls**

Local Ventilation: Recommended

General Ventilation: Recommended

### **Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** Use proper protection – Safety Glasses as a minimum

**Skin and Body Protection:** Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective flame retardant gloves as a minimum and wash skin promptly upon any skin contact.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on Basic Physical and Chemical Properties**

#### **Physical State**

**Appearance:** Liquid

**Color:** Colorless to pale yellow

**Odor:** Paint Solvent

**Odor threshold:** No Data

<b><u>Property</u></b>	<b><u>Value</u></b>	<b><u>Remarks – Method</u></b>
Vapor Pressure	184 mmHg@ 68 Degrees F	
Vapor Density	2	
Relative Density	.836	
pH:	Not Available	
Melting/Freezing Point	Not Available	
Solubility	Not Available	
Evaporation Rate	7.7	
Flash Point	-17 Degrees C/ 1.4 Degrees F	Closed Cup
Flammability Limits	Lower 2.5%, Upper 12.8%	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	465 Degrees C/869 Degrees F	
Initial Boiling Point/Boiling Range	56 Degrees C	
Viscosity	1cSt	

## 10. STABILITY AND REACTIVITY

### **Chemical Stability:**

This product is chemically stable under recommended storage conditions.

### **Possibility of Hazardous Reactions:**

Combustible Liquid. Vapors may form explosive mixture with air. Can react with strong oxidizing agents. When heated above 300 Degrees Fahrenheit in the presence of air, product can form formaldehyde vapors.

### **Conditions to Avoid:**

Exposure to moisture, heat, flames, and sparks

### **Incompatible Materials:**

Oxidizing agents and water

### **Hazardous Decomposition Products**

Contact with humid air may form Ethanol. Thermal decomposition form Formaldehyde.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact  
(Ingestion is not a likely route of exposure under normal conditions of use.)

### **Symptoms of Exposure:**

Causes skin irritation.

### **Numerical measures of toxicity:**

Ingredient: Triethoxyoctylsilane:  
LD50 Oral Rat: >5,110 mg/kg  
LD50 Dermal Rabbit >6,730 mg/kg

### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

#### **Carcinogenicity: IARC, ACGIH, NTP, OSHA**

No Ingredient of this product is present at levels greater than or equal to .1% is identified as probable, possible or confirmed human carcinogen.

**Specific target organ toxicity:** Not classified based on available information.

**Respiratory Irritation:** If material is misted or sprayed, inhalation of mist may cause irritation of mucous membranes and the upper respiratory tract.

## 12. ECOLOGICAL INFORMATION

### **Eco toxicity:**

Toxicity to Daphnia and other aquatic invertebrates: EC50 >0.049 mg/l

Toxicity to algae: ErC50 >.13 mg/l

### **Acute Toxicity: Fish**

Components:

1,2,4-Trimethylbenzene: LC50 Fathead Minnow, 96 hr. 7.72 mg/l

Xylenes: No Data

Cumene: LC50 Fish, 96 hr. 4.918 mg/l

### **Acute Toxicity: Invertebrates**

Components:

1,2,4-Trimethylbenzene: EC50 Water Flea, 48 hr, 3.6 mg/l

Xylenes: No Data

Cumene: EC50 Water Flea, 48 hr, 2.14 mg/l

### **Chronic Toxicity: Fish**

Components:

1,2,4-Trimethylbenzene: No Data

Xylenes: No Data

Cumene: NOEC Zebra Fish, 28 days, 0.38 mg/l

### **Chronic Toxicity: Invertebrates**

Components:

1,2,4-Trimethylbenzene: No Data

Xylenes: No Data

Cumene: NOEC Water Flea, 21 days, 0.35 mg/l

### **Chronic Toxicity to Aquatic Plants**

Components:

1,2,4-Trimethylbenzene: EC50 Alga, 96 hr., 2.356 mg/l

Xylenes: No Data

Cumene: NOEC Scenedesmus subspicatur, 72 hr., 1.49 mg/l

**Persistence and Degradability:** Not readily biodegradable. Biodegradation at 31.5% based upon OECD 301D

**Bioaccumulation:** log Pow 6.41 based upon OECD 117

**Mobility:** Not Determined.

**Other Adverse Effects:** Not Determined.

## 13. DISPOSAL CONSIDERATIONS

### **Waste Treatment Methods**

**Disposal of Wastes:** Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated Packaging:** Dispose of as unused material.

## 14. TRANSPORT INFORMATION

<b>D.O.T.:</b> UN Number:	UN 1263
Proper shipping name:	Paint
Class:	3

Packing Group: II  
ERG Code: 128  
Marine Pollutant: Yes  
Remarks:

**I.M.D.G/I.A.T.A.:**  
UN1263, PAINT, 3, II  
Marine Pollutant: Yes

## 15. REGULATORY INFORMATION

### **International Inventories**

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **US Federal Regulations**

**SARA 302 (Extremely Hazardous Substances):** None Known

**SARA 311/312 Hazard Categories:** Acute Health Hazard, Fire Hazard

**SARA Section 313:** This product contains the following components in concentrations greater than 0.1% for carcinogenic substances and/or 1.0% of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372: **None Known**

**CWA (Clean Water Act):** This product contains acetone (RQ 5000lbs) and may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

### **Supplemental State Compliance Information**

California: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### **State Right To Know:**

<u>CAS Number</u>	<u>Component Name</u>	<u>State</u>
Triethoxyoctylsilane, CAS# 2943-75-1:		New Jersey, Pennsylvania
1,2,4-Trimethylbenzene, CAS# 95-63-6:		New Jersey, Illinois, Minnesota, Pennsylvania, Rhode Island, Massachusetts.
Cumene, CAS# 98-82-8:		New Jersey, Illinois, Minnesota, Pennsylvania, Rhode Island.
Xylenes, CAS# 1330-20-7:		New Jersey, Illinois, Michigan, Minnesota, Pennsylvania, Rhode Island.

## 16. OTHER INFORMATION

### **HMIS Classification:**

Health hazard:	2
Flammability:	3
Physical Hazards:	1

### **NFPA Rating:**

Health hazard:	2
Fire:	3
Reactivity Hazard:	1

Issuance Date: October 1, 2020  
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Revision Note: Review

**Date of Previous Version: June 16, 2023**

**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 guide 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**