



**MATERIAL  
SAFETY DATA  
SHEET**

## VeriGuard 67

DATE: 08/21/2006

SUPERSEDES: 4/01/2004

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** VeriGuard 67  
**SYNONYMS:** Diiodomethyl p-tolyl sulfone / Chlorothalonil (tetrachloroisophthalonitrile)

**CHEMICAL FAMILY:** Blend  
**MOLECULAR FORMULA:**  
**MOLECULAR WEIGHT:** 265.92  
**VERICHEM, Inc.** 3499 Grand Avenue, Pittsburgh, PA, USA, 15225 (412-331-7299, 8:30 am to 5:00 pm)  
**EMERGENCY PHONE:** For any emergency involving spill, leak, fire, exposure, or accident call CHEMTREC: 1-800-424-9300. Outside the USA and Canada call: 703-527-3887.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### REGULATED COMPONENTS

COMPONENT	CAS NUMBER	PERCENT	WORKER EXPOSURE	REFERENCE
Diiodomethyl p-tolyl sulfone	20018-09-1	12.08		
Chlorothalonil (tetrachloroisophthalonitrile)	1897-45-6	28.30		

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

**APPEARANCE AND ODOR:** Cream color, very slight acidic odor  
**EFFECTS OF OVEREXPOSURE:** HUMAN: The vapors formed by this product are toxic by inhalation. If it comes into contact with eyes, this product may cause severe lesions. Prolonged exposure to vapors formed may cause a serious health risk. This product may have adverse effects on the environment. HUMAN: The vapors formed by this product are toxic by inhalation. If it comes into contact with eyes, this product may cause severe lesions. Prolonged exposure to vapors formed may cause a serious health risk. This product may have adverse effects on the environment.  
**PHYSICAL/CHEMICAL HAZARDS:** N/A

### 4. FIRST AID MEASURES (IN CASE OF CONTACT)

**IF IN EYES:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Get medical attention. Remove contact lenses, if present, after the first 5 minute, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for treatment advice.

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment.**

## 5. FIRE FIGHTING MEASURES

**SPECIAL EXPOSURE HAZARDS ARISING FROM THE SUBSTANCE ITSELF, COMBUSTION PRODUCTS, AND RESULTING GASES:** Oxides of carbon, nitrogen, sulfur and iodine vapors.

**SUITABLE EXTINGUISHING MEDIA:** CO<sub>2</sub>, foam, water, dry extinguishing media.

**EXTINGUISHING MEDIA NOT TO BE USED:** N/A

**SPECIAL EQUIPMENT FOR FIRE FIGHTERS:** Wear a self-contained respiratory apparatus. Do not inhale gases caused by fire.

**FURTHER INFORMATION:** Fire, debris and contaminated extinguishing water must be disposed of in accordance with local regulation.

## 6. ACCIDENTAL RELEASE MEASURES

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

**PERSONAL PRECAUTIONS:** Wear rubber gloves and safety goggles.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow product to enter soil or surface water.

**METHODS FOR CLEANING UP:** Large spillages should be dammed off and pumped into containers; take up the remainder by absorbent material (ex. Sand, sawdust) and dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

**HANDLING:** Wear rubber gloves and safety goggles.

**STORAGE:** Avoid storing in direct sunlight. Store the product in a dry area in its original container.

## 8. PERSONAL PROTECTION

**EYE PROTECTION REQUIREMENTS:** Wear safety goggles.

**SKIN PROTECTION REQUIREMENTS:** Rubber gloves, long sleeve shirts and pants.

**VENTILATION REQUIREMENTS:** Local and general exhaust ventilation to control levels of exposure.

**RESPIRATOR REQUIREMENTS:** If breathable gases/vapors are formed, wear breathing apparatus. Workers who may be exposed to airborne particles should wear dust masks.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR:</b>	Cream color suspension, with a very slight acidic odor
<b>BOILING POINT:</b>	100 <sup>0</sup> C
<b>MELTING POINT:</b>	N/A
<b>VAPOR PRESSURE:</b>	Similar to Water
<b>DENSITY @ 25<sup>0</sup> C:</b>	1.24 – 1.27
<b>VAPOR DENSITY:</b>	N/A
<b>PERCENT VOLATILE (BY WEIGHT):</b>	N/A
<b>pH:</b>	5-8
<b>SATURATION IN AIR (PERCENT BY VOLUME):</b>	Unknown
<b>EVAPORATION RATE:</b>	N/A
<b>SOLUBILITY IN WATER @ 20<sup>0</sup> C:</b>	0.003% (active ingredient)
<b>VISCOSITY @ 25<sup>0</sup> C:</b>	200-500 cps

## 10. STABILITY AND REACTIVITY

<b>CONDITIONS TO AVOID:</b>	Temperatures below -10 <sup>0</sup> C and above 50 <sup>0</sup> C
<b>MATERIALS TO AVOID:</b>	Copper, copper alloy, uncoated steel
<b>SUITABLE MATERIALS:</b>	N/A
<b>HAZARDOUS DECOMPOSITIONS PRODUCTS:</b>	Oxides of carbon, sulfur, nitrogen

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE EFFECTS</b>	
<b>EYE IRRITATION:</b>	Unknown
<b>SKIN IRRITATION:</b>	LD <sub>50</sub> rabbit > 10,000 mg/kg.
<b>ORAL TOXICITY:</b>	LD <sub>50</sub> rat > 10,000 mg/kg
<b>DERMAL TOXICITY:</b>	Unknown
<b>INHALATION TOXICITY:</b>	Unknown
<b>SENSITIZATION:</b>	Potential sensitizer

## 12. ECOLOGICAL INFORMATION

### FISH AND WILDLIFE

**AQUATIC:** This material is toxic to fish. Do not contaminate water sources by cleaning equipment or disposing of wastes. The following tests were run using the active ingredient.

**AQUATIC TOXICITY:** Rainbow trout (96-hour LC<sub>50</sub>) 0.5 mg/kg (Active)

## 13. DISPOSAL CONSIDERATION

Material that cannot be used as directed on the product label or chemically reprocessed and empty containers must be disposed of according to any applicable regulations. NOTE: State and local regulations may be more stringent than federal.

## 14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

	DOT Shipping Information	IMO Shipping Information	ICAO/IATA	TRANSPORT CANADA
Shipping Name	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Hazard Class	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Packing Group	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Subsidiary Class	Not Regulated	Not Regulated	Not Regulated	Not Regulated
UN/ID Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Transport Label Required	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Packing Instructions Passenger Cargo	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Max. Net Quantity Passenger Cargo	Not Regulated	Not Regulated	Not Regulated	Not Regulated
DOT Hazardous Substances	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IMDG Page	Not Regulated	Not Regulated	Not Regulated	Not Regulated

## 15. REGULATORY INFORMATION

### INVENTORY INFORMATION

US TSCA: Exempt

CANADA DSL:

EEC EINECS:

## 16. OTHER INFORMATION

### NFPA HAZARD RATING (NATIONAL FIRE PROTECTION ASSOCIATION)

FIRE: 0

HEALTH: 2

REACTIVITY:

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