

## SAFETY DATA SHEET



Humco Holding Group, Inc.  
7400 Alumax Dr  
Texarkana TX 75501 USA  
800-662-3435  
cs@humco.com  
www.humco.com

24-Hour Emergency Number (CHEMTREC)  
USA- 800-424-9300

All non-emergency calls should be directed to  
Customer Service at 800-662-3435

NAME: VORICONAZOLE

SDS NO.8230

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Voriconazole

**Synonyms:** (.alpha.R)-.alpha.-(2,4-difluorophenyl)-5-fluoro-.beta.S-methyl-.alpha.-(1H-1,2,4-triazol-1-ylmethyl)-4-pyrimidineethanol;

**Recommended Use:** No relevant information available.




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## 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	  	
	GHS08	GHS06 GHS09
<b>Classification:</b>	Acute Tox. 3 Carc. 2 Repr. 2	STOT RE 2 Aquatic Tox. (Acute), 1 Aquatic Tox. (Chronic) 3
<b>Signal Word:</b>	Danger	
<b>Hazard Statements:</b>	H301 Toxic if swallowed H351 Suspected of causing cancer H361 Suspected of damaging fertility or the unborn child	H373 May cause damage to {oral, liver} through prolonged or repeated exposure H400 very toxic to aquatic life H412 Harmful to aquatic life with long lasting effects

### 3. COMPOSITION INGREDIENTS

CHEMICAL NAME	CAS#
VORICONAZOLE	137234-62-9

The exact percentage has been withheld as a trade secret

### 4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Not determined	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention
Ingestion	Not determined	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
Skin	Not determined	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
Eyes	Not determined	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel

### 5. FIRE-FIGHTING MEASURES

Flash Point:	Not Applicable
Auto Ignition:	Not Determined
Extinguishing Media:	CO2, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
Products of Combustion:	Not determined
Fire Fighting Equipment and Procedures:	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid raising and breathing dust, and provide adequate ventilation
Environmental Precautions:	Do not allow to enter sewers/surface or ground water
Method of Containment & Clean-Up:	Transfer to a chemical waste container for disposal in accordance with local regulations

### 7. HANDLING AND STORAGE

Handling:	Avoid breathing dust/fume/gas/mist/vapours/spray
Storage:	Keep container tightly closer.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Engineering Controls:</b>	No further relevant information.
<b>Personal Protective Equipment (PPE)</b>	Protective work clothing.
<b>Eye/Face Protection:</b>	Tightly-sealed goggles
<b>Skin Protection:</b>	Protective gloves
<b>Respiratory Protection</b>	NIOSH approved respirator, as conditions warrant
<b>General Hygiene Considerations:</b>	Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Crystalline solid	<b>Upper/Lower Flammability:</b>	Not Applicable
<b>Odor:</b>	Odorless	<b>Vapor Pressure @ 795°C (1,463°F):</b>	Not Determined
<b>Odor Threshold:</b>	Not Determined	<b>Vapor Density:</b>	Not Applicable
<b>pH:</b>	Not Applicable	<b>Density at 20°C (68°F):</b>	Not Determined
<b>Melting point /Freezing Point:</b>	Not Determined	<b>Solubilities:</b>	~29 mg/ml in EtOH & DMSO
<b>Boiling point/range:</b>	Not Determined	<b>Partition coefficient: n-octanol/water:</b>	Not Determined
<b>Flash point</b>	Not Applicable	<b>Auto-ignition temperature</b>	Not Determined
<b>Evaporation rate</b>	Not Applicable	<b>Decomposition Temperature:</b>	Not Determined
<b>Flammability:</b>	Not Determined	<b>Viscosity</b>	Not Applicable

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No further relevant information available.
<b>Chemical Stability:</b>	Stable if stored in accordance with information listed on the product insert.
<b>Possibility of Hazardous reactions:</b>	No further relevant information available.
<b>Conditions to Avoid:</b>	No further relevant information available.
<b>Incompatible materials:</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products:</b>	Carbon monoxide and carbon dioxide Hydrogen fluoride Nitrogen oxides

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Fatal if swallowed, in contact with skin or if inhaled
<b>Skin irritation:</b>	Not Determined
<b>Eye contact damage:</b>	Not Determined
<b>Respiratory damage:</b>	Not Determined
<b>Ingestion overdose:</b>	Not Determined
<b>Delayed, immediate, or chronic effects from short- and long-term exposure</b>	No further relevant information available.
<b>TDLO</b>	280 mg/kg/5W (woman) (intermittent)
<b>Oral:</b>	350 mg/kg/35D (rat) (intermittent)
<b>Symptoms associated with exposure:</b>	No further relevant information available.
<b>Carcinogenicity:</b>	
<b>OSHA:</b>	Substance is not listed.
<b>NTP:</b>	Substance is not listed.
<b>IARC:</b>	Substance is not listed.

## 12. ECOLOGICAL INFORMATION

<b>Acute or chronic aquatic toxicity:</b>	Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
<b>Chemical degradation:</b>	No further relevant information available.
<b>Biodegradation:</b>	No further relevant information available.
<b>Bioaccumulation potential</b>	No further relevant information available.
<b>Adsorption studies or leaching studies:</b>	No further relevant information available.
<b>Other adverse effects</b>	No further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

## 14. TRANSPORT INFORMATION

<b>DOT Hazard Classification</b>	
<b>UN number:</b>	UN2811
<b>UN proper shipping name:</b>	Toxic solid, organic, n.o.s.
<b>Transport hazard class(es):</b>	6.1 – Poison
<b>Packing group number:</b>	III
<b>Environmental hazards:</b>	Void
<b>Additional Information:</b>	When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.

## REGULATORY INFORMATION

No further relevant information available.

**15. OTHER INFORMATION**

The information in this SDS is considered current and reliable. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal are beyond Humco's control, it is the responsibility of the user to determine safe conditions for use and to assume liability for loss, damage, or expenses arising from improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission. Various agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.