



# Safety Data Sheet

Preparation Date 23-Nov-2021

Revision date 06-May-2022

Revision Number: 3

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Identification of the product

**Product Description** Terrazole 25% Emulsifiable

### Other means of identification

**Internal SDS code** 12-0570  
**Registration number(s)** 70506-570

### Recommended use of the chemical and restrictions on use

**Recommended use** Fungicide.  
**Uses advised against** Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

UPL NA Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

### Emergency telephone number

**Company Phone Number** 1-800-438-6071  
**Emergency telephone number** Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
Medical: Rocky Mountain Poison and Drug Safety (866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Carcinogenicity	Category 1A
FLAMMABLE LIQUIDS	Category 4

### Label elements

#### EMERGENCY OVERVIEW

**DANGER**

#### Hazard Statements

Causes serious eye irritation  
HARMFUL IF SWALLOWED  
Suspected of causing cancer  
May be harmful in contact with skin  
Combustible

**Appearance** clear**Physical state** Liquid**Odor** pungent aromatic**Precautionary Statements - Prevention**

Wash hands thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Avoid release to the environment  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep/Store away from clothing/ combustible materials

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN: Gently wash with plenty of soap and water

**Precautionary Statements - Storage**

Store in a well-ventilated place

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)**

None identified

**OTHER INFORMATION**

- Very toxic to aquatic life
- Very toxic to aquatic life with long lasting effects

### 3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Etridiazole	2593-15-9	25
Solvent naphtha (petroleum), heavy arom	64742-94-5	>50
1,2,4-Trimethylbenzene	95-63-6	<10

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES**

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a poison control center or doctor for treatment advice.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a

physician or poison control center immediately. Do not induce vomiting without medical advice.

### **Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** May cause damage to organs through prolonged or repeated exposure.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** Treat symptomatically.

## **5. Fire-fighting measures**

### **Suitable extinguishing media**

alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

**Unsuitable extinguishing media** High volume water jet.

### **Specific hazards arising from the chemical**

FLAMMABLE. Keep product and empty container away from heat and sources of ignition. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

### **Explosion data**

### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with skin and eyes. Provide adequate ventilation. Wear protective gloves/protective clothing and eye/face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

### **Environmental Precautions**

**Environmental precautions** Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

### **Methods and material for containment and cleaning up**

**Methods for Clean-Up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Ground and bond containers when transferring material. Use non-sparking tools.

## **7. Handling and Storage**

### **Precautions for safe handling**

**Handling** Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Avoid contact with skin and eyes. Provide adequate ventilation. Do not eat, drink or smoke when using this product.

### **Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed in a dry and well-ventilated place. Do not store in metal containers.

**incompatible materials** No information available.

**8. Exposure Controls/Personal Protection**

**Exposure guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Personal protective equipment**

**Eye/Face Protection** Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact. Safety glasses with side-shields. If splashes are likely to occur, wear: Face-shield.

**Skin protection** Wear protective gloves/clothing. Chemical resistant footwear.

**Respiratory protection** Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

**General hygiene considerations**  
Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

**9. Physical and Chemical Properties**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	clear	
<b>Physical state</b>	Liquid	
<b>Odor</b>	pungent aromatic	
<b>color</b>	Yellow	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	5.32	Approximately
<b>Melting point/freezing point</b>		None known
<b>Boiling Point/Range</b>		None known
<b>Flash Point</b>	63.9C (147.02 F)	None known
<b>Evaporation Rate</b>		None known
<b>Flammability (solid, gas)</b>		None known
<b>Specific gravity</b>	0.986 g/cm3	None known
<b>Bulk density</b>		None known
<b>Water solubility</b>		insoluble
None known		<b>Solubility in Other Solvents</b> No information available
None known		<b>Partition coefficient: n-octanol/water</b>
None known		<b>Autoignition temperature</b>
None known		<b>Decomposition temperature</b>
None known		<b>Viscosity</b> 1.44 mPas @ 20 °C
None known		

**9.2 OTHER INFORMATION- NONE****10. Stability and Reactivity****Reactivity**

no data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**incompatible materials**

No information available.

**Hazardous decomposition products**

None under normal use conditions.

**11. Toxicological Information****Information on Likely Routes of Exposure****Product information**

The information provided below is for a similar formulation:

Terrazole 25% =

Acute oral LD50 = 1,532 mg/kg

Acute dermal LD50 = 4,275 mg/kg

Acute inhalation LC50 (4hr) = &gt; 10 mg/L No deaths

**Inhalation**

May cause irritation of respiratory tract.

**Eye contact**

Causes irreversible eye damage.

**Skin contact**

May cause burns.

**Ingestion**

HARMFUL IF SWALLOWED.

**Information on Toxicological Effects****Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization**

No information available.

**Mutagenic effects**

no data available.

**Carcinogenicity**

The information below indicates whether any agency has listed any ingredient as a carcinogen.

**Reproductive effects**

Not Available.

**STOT - Single Exposure**

no data available.

**STOT - Repeated Exposure**

no data available.

**Aspiration hazard**

No information available.

**Numerical Measures of Toxicity - See above****12. Ecological Information**

Yes - when shipped in bulk. (Etridazole).

**ecotoxicity**

Etridiazole:  
 FISH  
 Rainbow trout LC50 (96 hr) = 2.4 mg/L  
 DAPHNIA  
 Water flea EC50 (48hr) = 3.1 mg/L  
 ALGAE Green algae EC50 (48hr) = 0.8 mg/L

**Persistence/Degradability**

no data available.

**Bioaccumulation/ Accumulation**

Bioaccumulative potential.

Chemical name	Log Pow
Solvent naphtha (petroleum), heavy arom 64742-94-5	2.9 - 6.1
1,2,4-Trimethylbenzene 95-63-6	3.63

**Other Adverse Effects**

no data available

**13. Disposal Considerations**

**Waste Treatment Methods**

**Waste Disposal Method** Dispose of in accordance with local regulations. Pesticide wastes can be hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging** Refer to product label.

**14. Transport Information**

**DOT**

When shipped domestically IN NON-BULK packages by highway this material is classed as a combustible liquid and as such is not subject to the DOT regulations per 49 CFR 173.150(f) (2) and therefore can be designated as Not Regulated

When shipped domestically (US) in bulk - >119 gallon capacity - this material is classed as a combustible as per 49 CFR173.150 (f) as such the documentation will be noted as NA1993, Combustible Liquids, n.o.s. , PGIII

**IMDG - Marine Pollutant** When shipped in bulk, by vessel, or internationally use the IMDG shipping description: Yes - when shipped in bulk. (Etridiazole).

**IATA**

**UN/ID no** UN3082  
**Proper shipping name** Environmentally hazardous substances, liquid, n.o.s (Etridiazole)  
**Hazard class** 9  
**Packing group** PG III

**Description** Marine pollutant

**IMDG**

**UN/ID no** UN3082  
**Proper shipping name** Environmentally hazardous substances, liquid, n.o.s (Etridiazole)  
**Hazard class** 9  
**Packing group** PG III  
**Environmental hazards** Marine pollutant

**15. Regulatory Information**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**signal word** DANGER

**Causes irreversible eye damage. Harmful if inhaled or absorbed through skin.**

**International Inventories**

**USINV** Present  
**DSL/NDSL** Not present  
**EINECS/ELINCS** Present  
**ENCS** Not Present  
**China** Not Present  
**KECL** Present  
**PICCS** Not Present  
**AICS** Present  
**TSCA** Not Present

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CERCLA**

Not applicable

**CERCLA**

**RCRA**

**Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Etridiazole			X	

2593-15-9 ( 25 )				
Solvent naphtha (petroleum), heavy arom 64742-94-5 ( >50 )			X	

**State Regulations**

Component		California Prop. 65	
Etridiazole 2593-15-9 ( 25 )		Carcinogen	
Chemical name	CAS No	CATEGORY	
Etridiazole	2593-15-9	Carcinogen	

**Prop 65 Pictogram**



**Prop 65 Warning Statement  
California Proposition 65**

WARNING  
This product can expose you to chemicals which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**State Right-to-Know**

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Etridiazole - 2593-15-9				X	
1,2,4-Trimethylbenzene - 95-63-6	X	X	X	X	

**International regulations**

**U.S. EPA Label information**

EPA Pesticide registration number 70506-570

**16. Other Information**

**NFPA**                      **HEALTH** 1                      **flammability** 0                      **Instability** 0                      **Physical hazard** -

**Preparation Date**                      23-Nov-2021

**Revision date**                              06-May-2022

**Revision Summary**

Update section 11

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**End of SDS**