

TERRAZOLE® L

EPA Registration Number: 70506-571-59807

**1. IDENTIFICATION OF THE SUBSTANCE/
PREPARATION AND OF THE COMPANY/
UNDERTAKING**

Identification of the product

Product Description: TERRAZOLE L

Other means of identification

Internal SDS code: 12-0571A

UN/ID no: NA1993

Registration number(s): 70506-571-59807

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

Recommended use: Fungicide.

Uses advised against: Activities contrary to

**Details of the Supplier of the Safety Data Sheet
Supplier Address**

OHP Inc.
5151 McCrimmon Parkway
Suite 275
Morrisville, NC 27560

Medical Emergency:.....(800) 356-4647 (24hrs)

Transportation Emergency:

Chemtrec.....(800) 424-9300 (24hrs)

Product Safety Data (MSDS):.....(800) 356-4647 (24hrs)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

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

Flammable liquid	Category 4
Acute toxicity (oral)	Category 4
Skin corrosion / irritation	Category 2
Serious eye damage / eye irritation	Category 2A
Carcinogenicity	Category 2

Label Elements

EMERGENCY OVERVIEW

WARNING

Hazard Statements Combustible liquid.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.

Appearance: Clear
Physical State: Liquid
Odor: Characteristic
Petroleum solvent

Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

Precautionary Statements – Response

If swallowed: Call a poison center/doctor if you feel unwell.
Rinse mouth.
If on skin: Wash with plenty of water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
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/attention.
If exposed or concerned: Get medical advice/attention.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.
Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC)

None identified

GHS Label element

Hazard pictograms



**3. COMPOSITION/INFORMATION ON
INGREDIENTS**

Chemical name	CAS No	Weight-%
Etridiazole	2593-15-9	44.30
Naphthalene	91-20-3	>40

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Eye contact 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.

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Skin contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation 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.

Ingestion 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

Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer.

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 (CO₂). Dry chemical.

Unsuitable extinguishing media High volume water jet.

Specific hazards arising from the chemical

No information available.

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.

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.

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

Chemical Name	ACGIH TLV	OSHA PEL
Naphthalene	TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m ³ (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m ³

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.

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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

Appearance Clear
Physical State Liquid
Odor Characteristic
 Petroleum solvent
Color Amber

Property	VALUES	Remarks/ Method
pH	4.57	@ 25 ° C
Melting point/ freezing point		None known
Boiling Point/ Range		None known
Flash Point	65.6 C/ 150.08 F	None known
Evaporation Rate		None known
Flammability (solid, gas)		None known
Relative Density	1.11	None known
Bulk density		None known
Water solubility		None known
Solubility in Other Solvents		No information available
Partition coefficient: n-octanol/water None known		None known
Autoignition temperature		None known
Decomposition temperature		None known
Viscosity	4.5 mPas @ 20 °C	None known

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 Terrazole L
 Acute oral
 LD50 1618 mg/kg
 Acute dermal LD50
 3618 mg/kg

Acute inhalation
 LC50 >3.8 mg/l/4hr
 No mortality

Inhalation May cause irritation
 of respiratory tract.

Eye contact Causes serious
 eye irritation.

Skin contact Causes skin irritation.

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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Naphthalene 91-20-3	A3	Group 2B	Reasonably Anticipated	X

Reproductive effects Not Available.

STOT - Single Exposure no data available.

STOT - Repeated Exposure no data available.

Aspiration hazard No information available.

**12. ECOLOGICAL INFORMATION
 ecotoxicity**

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

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ALGAE Green algae EC50 (48hr) = 0.8 mg/L

Persistence/Degradability

no data available.

Bioaccumulation/ Accumulation

Bioaccumulative potential.

Chemical Name	Log Pow
Naphthalene 91-20-3	3.6

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

Combustible designation is limited to the United States only as international transportation regulations do not recognize this classification. For domestic bulk shipments (above 119 gallon capacity) this material is designated as Combustible liquid as follows:

UN/ID no NA1993
Proper shipping name Combustible liquid, n.o.s (naphthalene)
Hazard class Comb Liq
Packing group PG III

IATA

UN/ID no UN3082
Proper shipping name Environmentally hazardous substance, 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 (Triflumizole)
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

Keep out of Reach of Children. Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if swallowed. Harmful if absorbed through the 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants
Naphthalene 91-20-3	100 lb	X

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CWA - Priority Pollutants	CWA - Hazardous Substances
X	X

CERCLA

Not applicable

Chemical name	RQ	CERCLA EHS RQs	RQ
Naphthalene 91-20-3	100 lb	X	RQ 100 lb final R RQ 45.4 kg fina RQ

CERCLA

Component	RQ
Naphthalene 91-20-3 (>40)	100 lb

RCRA

Chemical name	RCRA - D Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Naphthalene 91-20-3 (>40)			U165

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals
Etridiazole 2593-15-9 (44.30)			X

State Regulations

Chemical Name	California Prop. 65
Etridiazole 2593-15-9 (44.30)	Carcinogen
Naphthalene 91-20-3 (>40)	Carcinogen

Chemical Name	CAS No	CATEGORY
Etridiazole	2593-15-9	Carcinogen
Naphthalene	91-20-3	Carcinogen

Prop 65 Pictogram

Prop 65 Warning Statement WARNING

California Proposition 65 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

State Right-to-Know

Chemical Name	Massachusetts	New Jersey
Etridiazole - 2593-15-9		
Naphthalene - 91-20-3	X	X

Pennsylvania	Illinois	Rhode Island
	X	
X	X	

International regulations
U.S. EPA Label information

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16. OTHER INFORMATION
NFPA Health3 Flammability2 Instability0 Physical Hazard

Preparation Date 22-Oct-2022

Revision Date 22-Oct-2022

Revision Summary

Add to system

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