

TERRAGUARD SC

EPA Registration Number: 70506-583-59807

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

Identification of the product

Product Description: TERRAGUARD SC

Other means of identification

Internal SDS code: 12-0583

Registration number(s): 70506-583

Recommended use of the chemical and restrictions on use

Recommended use: Fungicide.

Uses advised against: Non labeled activities

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 Telephone 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 - Inhalation (Dusts/Mists) Category 4

Label Elements



EMERGENCY OVERVIEW WARNING

Hazard Statements: Harmful if inhaled

Appearance: Suspension

Physical State: Liquid

Odor: Sweet Alcohol Odor

Precautionary Statements - Prevention

Use only outdoors or in a well-ventilated area.

Avoid breathing mist/vapors/spray.

Precautionary Statements – Response

If inhaled: Remove person to fresh air and keep
comfortable for breathing.

Call a poison center/doctor if you feel unwell.

Precautionary Statements - Storage

Store in a closed container

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

• not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Triflumizole	68694-11-1	42.14
Propylene Glycol	57-55-6	6

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

4. FIRST AID MEASURES

Eye contact Hold eye open and rinse slowly and gently
with water for 15 - 20 minutes. Remove contact lenses, if
present, after 5 minutes, then continue rinsing eye. Call a
poison control center or doctor for treatment advice.

Skin contact Wash off immediately with soap and plenty
of water removing all contaminated clothes and
shoes. Call a poison control center or doctor for treatment
advice.

Inhalation Move person 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 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

SUSPECTED OF DAMAGING FERTILITY OR UNBORN
CHILD.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO2). Dry chemical. alcohol-resistant
foam.

Unsuitable extinguishing media

High volume water jet.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating
gases and vapours.

Explosion data

Protective equipment and precautions for firefighters

TERRAGUARD SC

EPA Registration Number: 70506-583-59807

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.

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. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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). Take up mechanically and collect in suitable container 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. Do not eat, drink or smoke when using this product. In case of inadequate ventilation wear respiratory protection.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers. Keep only in original container. Keep out of the reach of children. Store locked up.

Incompatible materials No materials to be especially mentioned.

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. Tightly fitting safety goggles. If splashes are likely to occur, wear:. Face-shield.

Skin protection Wear protective gloves/clothing. Chemical resistant gloves. Chemical resistant footwear plus socks.

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. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Wear respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Suspension
Physical State Liquid
Odor Sweet Alcohol Odor
Color Off-white to Tan

Property	VALUES	Remarks/ Method
pH	8.33	(1% aq) @ 25 ° C
Melting point/ freezing point		None known
Boiling Point/ Range		None known
Flash Point	> 110 °C	None known
Evaporation Rate		None known
Flammability (solid, gas)		None known
Relative Density	1.116 @20C	None known
Specific gravity		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

TERRAGUARD SC

EPA Registration Number: 70506-583-59807

Autoignition temperature		None known
Decomposition temperature		None known
Viscosity	624 mPa S @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	No information available.
Incompatible materials	No materials to be especially mentioned.
Hazardous decomposition products	None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure	
Product information	Terraguard SC Acute oral LD50 2000 mg/kg Acute dermal LD50 >5000 mg/kg Acute inhalation LD50 >3.28 mg/L /4 hr No mortality
Inhalation	HARMFUL IF INHALED.
Eye contact	May cause temporary eye irritation.
Skin contact	Substance may cause slight skin irritation.
Ingestion	MAY BE 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	There are no known carcinogenic chemicals in this product.

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

ecotoxicity

Triflumizole 42% formulation:
Rainbow trout 96 hr LC50 = 0.76 mg/L
Carp 96 hr LC50 = 1.2 mg/L
Daphnia Magna 48 hr EC50 = 1.42 mg/L
Mysid shrimp 96 hr = 0.62 mg/L

Persistence/Degradability
no data available.

Bioaccumulation/ Accumulation
Bioaccumulative potential.

Chemical Name	Log Pow
Propylene Glycol 57-55-6	-1.07

Other Adverse Effects
no data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste Disposal Method Pesticide wastes are acutely 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 in bulk or internationally the marine pollutant marking must also be added to the package.

When shipped in bulk, by vessel, or internationally use the IMDG shipping description:

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

TERRAGUARD SC

EPA Registration Number: 70506-583-59807

IMDG

UNID 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 CAUTION

Harmful if swallowed. Toxic to fish.

International Inventories

USINV Not present

DSL/NDL Not present

EINECS/

ELINCS

Not Present

ENCS Not Present

China Not Present

KECL Not Present

PICCS Not Present

AICS Not Present

TSCA Not Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - 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:

CERCLA

Not applicable

CERCLA

RCRA

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals
Triflumizole 68694-11-1 (42.14)			X
Propylene Glycol 57-55-6 (6)			X

State Regulations

Chemical name	Massachusetts	New Jersey
Propylene Glycol - 57-55-6		X

Pennsylvania	Illinois	Rhode Island
X		

State Right-to-Know

International regulations

U.S. EPA Label information

EPA Pesticide registration number 70506-583

16. OTHER INFORMATION

NFPA Health1 Flammability0 Instability0 Physical Hazard

Preparation Date 24-Feb-2022

Revision Date 24-Feb-2022

Revision Summary

Add to system

Disclaimer

UPL NA Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with other materials or in any process. Further, since the conditions and methods of use are beyond the control of UPL NA Inc. and UPL NA Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

Terraguard SC is a trademark of OHP, Inc.
OHP981050 (02/24/2022)