

**FLORAMITE® SC**

**EPA Registration Number: 70506-508-59807**

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

**Identification of the product**  
**Product Description:** ..... FLORAMITE® SC

**Other means of identification**  
**Internal SDS code:** ..... 12A-0031A  
**Registration number(s):** ..... 70506-537-59807

**Recommended use of the chemical  
and restrictions on use**  
**Recommended use:** ..... Miticide.  
**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 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)

**Skin sensitization** Category 1

**Label Elements**  
**EMERGENCY OVERVIEW**  
**WARNING**

**Hazard Statements:** ..... May cause an  
allergic skin reaction

**Appearance:** ..... Clear  
**Physical State:** ..... Liquid  
**Odor:** ..... Slight Sweet

**Precautionary Statements - Prevention**  
Avoid breathing mist/vapors/spray.  
Contaminated work clothing must not be allowed out of the  
workplace.  
Wear protective gloves.

**Precautionary Statements – Response**  
**If on skin:** Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/  
attention.  
Wash contaminated clothing before reuse.  
Rinse mouth.

**Precautionary Statements - Disposal**

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

**Hazards Not Otherwise Classified (HNOC)**  
**OTHER INFORMATION**

- Not available

**3. COMPOSITION/INFORMATION ON  
INGREDIENTS**

Chemical name	CAS No	Weight-%
Bifenazate	149877-41-8	20-30

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**

**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.

**Ingestion** Call a physician or poison control center  
immediately. Clean mouth with water. Never give anything  
by mouth to an unconscious person.

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

**Most Important Symptoms and Effects**  
MAY CAUSE ALLERGIC SKIN REACTION.

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

**Notes to physician:** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**  
Use extinguishing measures that are appropriate to local  
circumstances and the surrounding environment.

**Unsuitable extinguishing media**  
Decomposition by contact with water may generate  
vapours which can be ignited by heat or open flame.

**Specific hazards arising from the chemical**  
No information available.

**Hazardous combustion products**  
Carbon oxides.

**Explosion data protective equipment and precautions  
for firefighters**

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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** . . . . . Use personal protective equipment. Avoid contact with skin and eyes. 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.

### 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** . . . . . Avoid contact with skin and eyes. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Ensure that eyewash stations and safety showers are close to the workstation location. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage** . . . . . Keep container tightly closed in a dry and well-ventilated place.

**Incompatible materials** . . . . . Strong oxidizing agents.

## 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.

**Skin protection** Wear protective gloves/clothing.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** . . . . . Clear  
**Physical State** . . . . . Liquid  
**Odor** . . . . . Slight Sweet  
**Color** . . . . . Off-white to Tan

Property	VALUES	Remarks/ Method
pH	7	Approximately
Melting point/ freezing point		None known
Boiling Point/ Range	100 °C	None known
Flash Point	>230 F	None known
Evaporation Rate		None known
Flammability (solid, gas)		None known
Relative Density		None known
Specific gravity		None known
Bulk density	1.031 g/ml	None known
Water solubility		partially miscible
Solubility in Other Solvents	No information available	None known
Partition coefficient: n-octanol/water		None known
Autoignition temperature		None known
Decomposition temperature		None known
Viscosity		None known

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**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** . . . . . Strong oxidizing agents.

**Hazardous decomposition products** . . . . . Burning produces obnoxious and toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product information** . . . . . Floramite SC  
Acute oral  
LD50 >2000 mg/kg  
Acute dermal  
LD50 >5000 mg/kg  
Acute inhalation  
LC50 >2.0 mg/l/4hr  
No deaths

**Inhalation** . . . . . not classified according to OSHA hazard communication standard

**Eye contact** . . . . . May cause irritation.

**Skin contact** . . . . . No known effect based on information supplied.

**Ingestion** . . . . . not classified according to OSHA hazard communication standard

**Information on Toxicological Effects**

**Symptoms** . . . . . No information available.

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

**Sensitization** . . . . . May cause an allergic skin reaction.

**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 - Product information**

**LD50 Oral** . . . . . > 2000 mg/kg (rat)

**LD50 Dermal** . . . . . > 5000 mg/kg (rat)

**12. ECOLOGICAL INFORMATION ecotoxicity**

Bifenazate  
FISH =  
Bluegill sunfish: LC50 96 hr 0.58 mg/L  
Rainbow trout: LC50 96 hr 0.76 mg/L  
ALGAE =  
Green algae 96 hr EC50 >2.02 mg/L  
Gibbous duckweed IC50 7 day >3.82 mg/L  
DAPHNIA =  
Daphnia magna EC50 48 hr 0.5 mg/L

**Persistence/Degradability**  
no data available.

**Bioaccumulation/ Accumulation**  
No information available.

**Other Adverse Effects**  
no data available

**13. DISPOSAL CONSIDERATIONS Waste Treatment Methods**

**Waste Disposal Method** . . . . . 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 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 (Bifenazate)  
**Hazard class** . . . . . 9  
**Packing group** . . . . . PG III  
**Description** . . . . . IMDG - Marine Pollutant

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**IMDG**

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

**Keep out of Reach of Children. Harmful if swallowed. Prolonged or frequent repeated skin contact may cause allergic reaction in some individuals. Toxic to birds, estuarine /marine invertebrates and fish.**

**International Inventories**

**USINV** Not present

**DSL/NDSL** 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/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:

**CERCLA**

Not applicable

**CERCLA**
**RCRA**
**Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	California Pesticides - Restricted Materials
Bifenazate 149877-41-8 (20-30)		X	

**State Regulations**
**State Right-to-Know**
**International regulations**
**U.S. EPA Label information**

EPA Pesticide registration number 70506-537-59807

**16. OTHER INFORMATION**
**NFPA Health1 Flammability2 Instability0 Physical Hazard**

**Preparation Date** ..... 23-Apr-2020

**Revision Date** ..... 27-Jul-2022

**Revision Summary**

Add to system

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