

FLORAMITE® SC

EPA Registration Number: 70506-537-59807

**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**

FLORAMITE® SC

EPA Registration Number: 70506-537-59807

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 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

FLORAMITE® SC

EPA Registration Number: 70506-537-59807

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

FLORAMITE® SC

EPA Registration Number: 70506-537-59807
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

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.