

SIROCCO®

EPA Registration Number: 70506-557-59807

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

Identification of the product
Product Description: SIROCCO®
Other means of identification
Internal SDS code: 12-0557
UN/ID no: UN2902
Registration number(s): 70506-557-59807

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

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation	Category 4

Label Elements



**EMERGENCY OVERVIEW
WARNING**

Hazard Statements:..... Harmful if swallowed.
Harmful if inhaled.

Appearance: Clear
Physical State: Liquid
Odor: Mild

Precautionary Statements - Prevention
 Use only outdoors or in a well-ventilated area.

Avoid breathing mist/vapors/spray.
 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 inhaled: Remove person to fresh air and keep comfortable
 for breathing.
 Call a poison center/doctor if you feel unwell.

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly
 closed

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-%
Bifentazate	149877-41-8	43.2
Propylene Glycol	57-55-6	5-10
Abamectin	71751-41-2	2.2

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 Rinse skin immediately with plenty of water
 for 15-20 minutes. 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 Call a physician or poison control center
 immediately. Never give anything by mouth to an
 unconscious person. Do not induce vomiting without
 medical advice. Have person sip a glass of water if able
 to swallow.

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

Most Important Symptoms and Effects

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NO DATA AVAILABLE.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use: Dry chemical. Carbon dioxide (CO2). Water spray. alcohol-resistant foam.

Unsuitable extinguishing media

no data available

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

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 Remove all sources of ignition. Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback.

Take precautionary measures against static discharges.

Environmental Precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for Clean-Up Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labelled containers. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Do not breathe vapours or spray mist. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. - No smoking. Wear personal protective equipment. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use product only in closed system.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labelled

containers.

Incompatible materials OXIDIZERS. Strong acids. Strong bases.

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. If splashes are likely to occur, wear: Face-shield.

Skin protection Wear protective gloves/clothing. Socks and 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. 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 Mild
Color Off-white to Tan

Property	VALUES	Remarks/ Method
pH	7.2	(1% aq)
Melting point/ freezing point		None known
Boiling Point/ Range		None known
Flash Point	> 230 F/ 110 C	None known
Evaporation Rate		None known

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Flammability (solid, gas)		None known
Relative Density	1.104	None known
Bulk density		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

10. STABILITY AND REACTIVITY

Reactivity	no data available.
Chemical stability	Stable under normal conditions. Hazardous polymerisation does not occur.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	No information available.
Incompatible materials	OXIDIZERS. Strong acids. Strong bases.
Hazardous decomposition products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION
Information on Likely Routes of Exposure

Product information	Sirocco Acute oral LD50 >310 mg/kg acute dermal LD50 >5,000 mg/kg Acute inhalation LC50 >0.52- <2.54 mg/l/4hr
Inhalation	May cause irritation of respiratory tract. Large exposures may be fatal. Harmful if inhaled.
Eye contact	Slightly irritating.
Skin contact	Slightly irritating.

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 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.

Chronic toxicity Avoid repeated exposure.

Aspiration hazard No information available.

Numerical Measures of Toxicity - Product information
The following values are calculated based on chapter 3.1 of the GHS document .
LD50 Oral > 310 mg/kg (rat)

LD50 Dermal > 5,000 mg/kg (rat)

LC50 Inhalation 0.52 - <2.54 mg/l/4hr mg/l

12. ECOLOGICAL INFORMATION
ecotoxicity

Abamectin
FISH (Bluegill and Trout) 96 hr LC50 = 0.0096 mg/L and 0.0036 mg/L
DAPHNIA EC50 48 hr = 0.00037 ng/L
HONEY BEE Acute tox LD50 = 0.002ug/bee
BOBWHITE QUAIL 8 day = 3102 ppm
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

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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, Abamectin)

Hazard class 9

Packing group PG III

Description IMDG - Marine Pollutant

IMDG

UN/ID no UN3082

Proper shipping name Environmentally hazardous substances, liquid, n.o.s (Bifenazate, Abamectin)

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 WARNING

May be fatal if swallowed. Harmful if inhaled. Toxic to birds, mammals, fish and aquatic invertebrates. Toxic to fish and wildlife.

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

SARA Product RQ

RCRA
Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals
Bifenazate 149877-41-8 (43.2)			X
Propylene Glycol 57-55-6 (5-10)			X
Abamectin 71751-41-2 (2.2)			X

State Regulations
California Proposition 65

This product contains the following Proposition 65 chemicals:

Component	California Prop. 65
Abamectin 71751-41-2 (2.2)	Developmental

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State Right-to-Know

Chemical name	Massachusetts	New Jersey
Propylene Glycol - 57-55-6		X
Abamectin - 71751-41-2 X		X

Pennsylvania	Illinois	Rhode Island
X		

International regulations
U.S. EPA Label information
EPA Pesticide registration number 70506-557-59807

16. OTHER INFORMATION
NFPA Health2 Flammability1 Instability0 Physical Hazard
Preparation Date 28-Jul-2022

Revision Date 28-Jul-2022

Revision Summary

Add to system

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