



Safety Data Sheet

Preparation Date 11-Aug-2023

Revision date 11-Aug-2023

Revision Number: 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the product

Product Description Axios 20SC

Other means of identification

Internal SDS code 12-8033139

Registration number(s) 8033-139-70506

Recommended use of the chemical and restrictions on use

Recommended use Fungicides.

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 Phone 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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Label elements

EMERGENCY OVERVIEW

Appearance clear **Physical state** Liquid **Odor** Very faint

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

- Harmful to aquatic life
- May cause long lasting harmful effects to aquatic life

3. Composition/information on Ingredients

| Chemical name | CAS No | Weight-% |
|---------------|--------------|----------|
| Ipflufenquin | 1314008-27-9 | 18.4 |

The product contains no substances which at their given concentration, are considered to be hazardous to health under the OSHA 2012 HazCom

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 for at least 15 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. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects 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

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

Unsuitable extinguishing media no data available.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Thermal decomposition or combustion may produce harmful/irritant gas or fume such as carbon oxides, nitrogen oxides, sulfur oxides and hydrogen fluoride.

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 Use personal protective equipment. Avoid contact with skin, eyes and clothing. Provide adequate ventilation.

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. Avoid contact with skin, eyes and clothing. Provide adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Keep tightly closed in a dry and cool place.

incompatible materials Acids. Bases. OXIDIZERS.

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. Goggles.

Skin protection

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

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance clear
Physical state Liquid
Odor Very faint
color Off-white

| <u>Property</u> | <u>VALUES</u> | <u>Remarks/ Method</u> |
|-------------------------------------|----------------|------------------------|
| pH | | None known |
| Melting point/freezing point | | None known |
| Boiling Point/Range | | None known |
| Flash Point | Not Applicable | None known |
| Evaporation Rate | | None known |

| | | |
|---|--------------------------|------------|
| Flammability (solid, gas) | | None known |
| Specific gravity | 1.089 @20 C | None known |
| Bulk density | | None known |
| Water solubility | | None known |
| 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 |

9.2 OTHER INFORMATION- NONE

10. Stability and Reactivity

Reactivity

None known

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous polymerisation does not occur.

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

Acids. Bases. OXIDIZERS.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx). Hydrogen fluoride.

11. Toxicological Information

Information on Likely Routes of Exposure

| | |
|----------------------------|---|
| Product information | Axios 20 SC Acute oral LD50 >2,000 mg/kg Acute dermal LD50 >2,000 mg/kg Acute inhalation LC50 >1.60 mg/l/4hr No deaths |
| Inhalation | No known effect based on information supplied. |
| Eye contact | No known effect based on information supplied. |
| Skin contact | No known effect based on information supplied. |
| Ingestion | Based on available data, the classification criteria are not met. |

Components Information

Ipflufenoquin (active ingredient)
Oral LD50 (rat) = >2000 mg/kg (mouse nonGLP);
Dermal LD50 (rat) = >2000 mg/kg (non GLP)
Acute inhalation LC50 (rat) = Not available

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**

Axios 20 SC
 Acute toxicity FISH (Rainbow trout) 96 hr. LC50 32.9 mg/L
 Acute toxicity INVERTABRATE (Daphnia magna) 48 hr. EC50 >50 mg/L
 Acute toxicity ALGAE 72 hr. ErC50 >50 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

Do not reuse empty containers.

14. Transport Information**DOT**

NOT REGULATED

IATA

NOT REGULATED

IMDG

NOT REGULATED

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:

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 does not contain any 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

State Regulations

State Right-to-Know

International regulations

U.S. EPA Label information

EPA Pesticide registration number 8033-139-70506

16. Other Information

NFPA **HEALTH** 1 **flammability** 0 **Instability** 0 **Physical hazard** -

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Revision Summary
 Add to system

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End of SDS