



Safety Data Sheet

Preparation Date 14-Jun-2022

Revision date 03-Aug-2022

Revision Number: 3

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

Identification of the product

Product Description Elast 400 Flowable Fungicide

Other means of identification

Internal SDS code 12A-0025

UN/ID no UN2902

Registration number(s) 70506-611

Recommended use of the chemical and restrictions on use

Recommended use Fungicide.

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 Phone Number 1-800-438-6071

Emergency telephone number Chemtec: (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 (Dusts/Mists) | Category 3 |
| Skin Corrosion/Irritation | Category 2 |
| Serious eye damage/eye irritation | Category 1 |

Label elements

EMERGENCY OVERVIEW

DANGER

Hazard Statements

Causes serious eye damage

CAUSES SKIN IRRITATION

Toxic if inhaled

**Appearance** Opaque**Physical state** Liquid**Odor** Slight**Precautionary Statements - Prevention**

Do not eat, drink or smoke when using this product
 Wash hands thoroughly after handling
 Wear cold insulating gloves/face shield/eye protection
 Do not get in eyes, on skin, or on clothing
 Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN: Wash with plenty of soap and water
 Take off contaminated clothing and wash before reuse
 Immediately call a POISON CENTER or doctor/physician
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician

Hazards Not Otherwise Classified (HNOC)

None identified

OTHER INFORMATION

- Very toxic to aquatic life with long lasting effects

3. Composition/information on Ingredients

| Chemical name | CAS No | Weight-% |
|---|------------|----------|
| Dodine | 2439-10-3 | 39.6 |
| Ethoxylated oleyl amine, dodecylbenzenesulfonic salt | 66467-20-7 | 1-3 |

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 plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. |
| 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 Causes serious eye damage. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION. Nausea. Abdominal pain.

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). Foam. Dry chemical. Water spray.

Unsuitable extinguishing media no data available.

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**

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. Use personal protective equipment. Provide adequate ventilation.

Environmental Precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. 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. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. Handling and Storage**Precautions for safe handling**

Handling Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage Keep tightly closed in a dry and cool place.

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

Skin protection

Wear protective gloves/clothing. Chemical resistant protective 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. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash hands and face before breaks and immediately after handling the product.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | | | |
|---|--------------------------|-------------------------|------------------|
| Appearance | Opaque | | |
| Physical state | Liquid | | |
| Odor | Slight | | |
| color | white | | |
| <u>Property</u> | <u>VALUES</u> | <u>Remarks/ Method</u> | |
| pH | 5.8 | Approximately | |
| Melting point/freezing point | | None known | |
| Boiling Point/Range | | None known | |
| Flash Point | No information available | None known | |
| Evaporation Rate | | None known | |
| Flammability (solid, gas) | | None known | |
| Relative Density | 1.01 | Specific gravity | 1.01 g/ml @ 25 C |
| None known | | Bulk density | |
| None known | | Water solubility | |
| Dispersible | | None known | |
| Solubility in Other Solvents | No information available | None known | |
| Partition coefficient: n-octanol/water | | None known | |
| Autoignition temperature | 430 °C | None known | |
| Decomposition temperature | | None known | |
| Viscosity | | None known | |

9.2 OTHER INFORMATION- NONE

10. Stability and Reactivity

Reactivity

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous polymerisation does not occur.

Conditions to avoid

Keep away from heat, sparks and open flame. - No smoking.

incompatible materials

Strong acids. Strong bases.

Hazardous decomposition products

Carbon oxides. Hydrocarbons.

11. Toxicological Information

Information on Likely Routes of Exposure

| | |
|----------------------------|---|
| Product information | Syllit FL/Elast 400 Acute oral LD50 >2000 mg/kg Acute dermal LD50 >200 mg/kg Acute inhalation LC50 0.65 mg/l/4hr |
| Inhalation | May cause irritation of respiratory tract. |
| Eye contact | Causes serious eye damage. |
| 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 | The information below indicates whether any agency has listed any ingredient as a carcinogen. |
| 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

| | |
|------------------------|------------------|
| LD50 Oral | > 5000 mg/kg |
| LD50 Dermal | > 2000 mg/kg |
| LC50 Inhalation | 0.65 mg/l (4-hr) |

12. Ecological Information

Marine Pollutant.

ecotoxicity

Toxic to aquatic life

Persistence/Degradability

Not readily biodegradable.

Bioaccumulation/ Accumulation

Bioaccumulative potential.

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**

| | |
|--------------------------------|--|
| UN/ID no | UN2902 |
| Proper shipping name | Pesticide, liquid, toxic, n.o.s (Dodine) |
| Hazard class | 6.1 |
| Packing group | PG III |
| IMDG - Marine Pollutant | Marine Pollutant. |

TDG

| | |
|-----------------------------|---|
| UN/ID no | UN2902 |
| Proper shipping name | Pesticide, liquid, toxic, n.o.s. (Dodine) |
| Hazard class | 9 |
| Packing group | PG III |

IATA

| | |
|-----------------------------|--|
| UN/ID no | UN2902 |
| Proper shipping name | Pesticide, liquid, toxic, n.o.s (Dodine) |
| Hazard class | 6.1 |
| Packing group | PG III |
| Description | Marine pollutant |

IMDG

| | |
|------------------------------|--|
| UN/ID no | UN2902 |
| Proper shipping name | Pesticide, liquid, toxic, n.o.s (Dodine) |
| Hazard class | 6.1 |
| 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 DANGER

Causes irreversible eye damage. Causes skin irritation. Harmful if swallowed or absorbed through the skin. Harmful if inhaled. Toxic to fish and aquatic invertebrates.

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

CERCLA

RCRA

Pesticide Information

| Component | FIFRA - Restricted Use | FIFRA - Pesticide Product Other Ingredients | FIFRA - Listing of Pesticide Chemicals | California Pesticides - Restricted Materials |
|------------------------------|------------------------|---|--|--|
| Dodine 2439-10-3 (39.6) | | | X | |

State Regulations

State Right-to-Know

| Chemical name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|--------------------|---------------|------------|--------------|----------|--------------|
| Dodine - 2439-10-3 | | X | | | |

International regulations

U.S. EPA Label information

EPA Pesticide registration number 70506-611

16. Other Information

NFPA**HEALTH 2****flammability 2****Instability 0****Physical hazard -****Preparation Date** 14-Jun-2022**Revision date** 03-Aug-2022**Revision Summary**

Update logo Update registration number

Disclaimer

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End of SDS