



# Safety Data Sheet

Preparation Date 25-Apr-2022

Revision date 10-Mar-2025

Revision Number: 6

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

### Identification of the product

**Product Description** Jettison Aquatic Algaecide and Herbicide

### Other means of identification

**Internal SDS code** 12-389  
**UN/ID no** UN1760  
**Registration number(s)** 70506-389

### Recommended use of the chemical and restrictions on use

**Recommended use** Aquatic herbicide. Algaecide.  
**Uses advised against** Activities contrary to label recommendation  
Non labeled activities

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

UPL NA Inc.  
PO Box 12219  
Research Triangle Park, NC 27709-12219

### 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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1

### Label elements

#### EMERGENCY OVERVIEW

**DANGER**

#### Hazard Statements

Causes severe skin burns and eye damage  
Harmful in contact with skin



**Appearance** soft gel beads**Physical state** gel**Odor** faint**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
In case of inadequate ventilation wear respiratory protection

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  
Call a POISON CENTER or doctor if you feel unwell  
Remove/Take off immediately all contaminated clothing  
Wash contaminated clothing before reuse

**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**

- Very toxic to aquatic life

**3. Composition/information on Ingredients**

Chemical name	CAS No	Weight-%
Mono(N,N-dimethylalkylamine)salt of endothall	66330-88-9	69.1

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**

<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Protection of First-aiders</b>	Use personal protective equipment.

**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** No information available. Treat symptomatically.

## 5. Fire-fighting measures

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Aquatic. Foam.

**Unsuitable extinguishing media** no data available.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous combustion products** Extreme temperatures convert Endothall product to endothall anhydride which is a strong vesicant causing blistering of eyes, mucous membranes and skin.

**Explosion data**

**Protective equipment and precautions for firefighters**

Use personal protective equipment. 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. Wear protective gloves/protective clothing and eye/face protection.

**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** Sweep up and shovel into suitable containers for disposal.

## 7. Handling and Storage

**Precautions for safe handling**

**Handling** Keep out of reach of children. Empty containers may contain hazardous residues. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep in a dry place. Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing.

**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**

Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. 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

<b>Appearance</b>	soft gel beads	
<b>Physical state</b>	gel	
<b>Odor</b>	faint	
<b>color</b>	Light brown	
<b>Property</b>	<b>VALUES</b>	<b>Remarks/ Method</b>
<b>pH</b>	4.65	None known
<b>Melting point/freezing point</b>		None known
<b>Boiling Point/Range</b>		None known
<b>Flash Point</b>		None known
<b>Evaporation Rate</b>		None known
<b>Flammability (solid, gas)</b>		None known
		<b>Relative Density</b> 0.40 g/mL
<b>Specific gravity</b>		None known
<b>Bulk density</b>		None known
<b>Water solubility</b>		None known
<b>Solubility in Other Solvents</b>	No information available	None known
<b>Partition coefficient: n-octanol/water</b>		None known
<b>Autoignition temperature</b>		None known
<b>Decomposition temperature</b>		None known
<b>Viscosity</b>		None known

### 9.2 OTHER INFORMATION- NONE

## 10. Stability and Reactivity

**Reactivity**

no data available

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**

Hazardous polymerisation does not occur.

**Conditions to avoid**

Not known.

**incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon oxides.

## 11. Toxicological Information

**Information on Likely Routes of Exposure****Product information**

Jettison  
Acute oral LD50 >2000 mg/kg  
Acute dermal LD50 >1000 mg/kg  
Inhalation exposure is not anticipated No LC50

**Inhalation**

There is no data available for this product.

**Eye contact**

Causes irreversible eye damage.

**Skin contact**

corrosive. MAY BE FATAL IF ABSORBED THROUGH SKIN. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Ingestion**

Based on available data, the classification criteria are not met.

**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**

Endothall mono amine salt:

Acute contact toxicity Honey Bee

Practically non toxic

Acute Toxicity Avian

Northern Bobwhite Quail LD50

736 mg/kg

Acute Toxicity Freshwater Fish EC50

Bluegill sunfish 0.94 ppm

Rainbow trout 0.56 ppm

Cutthroat trout 0.18 ppm  
 Channel catfish 0.49 ppm  
 Acute Toxicity Freshwater Invertebrates EC50  
 Daphnia magna 0.36 ppm (48 hr)  
 Grasshrimp 0.05 ppm (96hr)  
 Scud 2.0 ppm (48hr)  
 Acute Toxicity Marine Invertebrates (flow thru) EC50 Mysid shrimp 2.2 ppm (96 hr)  
 Acute Toxicity Marine Fish (Flow thru) EC50  
 Sheepshead minnow 3.5 ppm (96 hr)

**Persistence/Degradability**

no data available.

**Bioaccumulation/ Accumulation**

Does not bioaccumulate.

**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.

<b>UN/ID no</b>	UN1760
<b>Proper shipping name</b>	Corrosive liquids, n.o.s. (Monodimethylalkylamine salt of endothal)
<b>Hazard class</b>	8
<b>Packing group</b>	PG III

**IATA**

<b>UN/ID no</b>	UN1760
<b>Proper shipping name</b>	Corrosive liquids, n.o.s. (Monodimethylalkylamine salt of endothal)
<b>Hazard class</b>	8
<b>Packing group</b>	PG III
<b>Description</b>	Marine pollutant

**IMDG**

<b>UN/ID no</b>	UN1760
<b>Proper shipping name</b>	Corrosive liquids, n.o.s. (Monodimethylalkylamine salt of endothal)
<b>Hazard class</b>	8
<b>Packing group</b>	PG III
<b>Environmental hazards</b>	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

**Corrosive. Causes irreversible eye damage. Causes severe skin irritation/burns. Prolonged or frequent repeated skin contact may cause allergic reaction in some individuals. Harmful if swallowed. Toxic to fish and aquatic invertebrates. Toxic to wildlife.**

### International Inventories

USINV	Not present
DSL/NDL	Not present
EINECS/	Not Present
ELINCS	
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 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** 70506-389

**16. Other Information**

**NFPA**                      **HEALTH** 3                      **flammability** 0                      **Instability** 0                      **Physical hazard** -

**Preparation Date**                      25-Apr-2022

**Revision date**                      10-Mar-2025

**Revision Summary**

Update section 14 updated technical name

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**End of SDS**