



Conforms to HazCom 2012/United States

SDS

Stingray®

# SAFETY DATA SHEET



## Stingray®

### Aquatic Herbicide

#### Section 1. Identification

**GHS product identifier** : Stingray Aquatic Herbicide

**Other means of identification** : Not available.

**EPA Registration No.** : 279-3279-67690

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

**Recommended Use** : Aquatic herbicide

**Restrictions on Use** : Use as recommended by the label

**Manufacturer Address** : SePRO Corporation  
11550 North Meridian Street  
Suite 600  
Carmel, IN 46032 U.S.A.  
Tel: 317-580-8282  
Toll free: 1-800-419-7779  
Fax: 317-580-8290  
Monday - Friday, 8am to 5pm E.S.T.  
[www.sepro.com](http://www.sepro.com)

**Emergency telephone number** INFOTRAC - 24-hour service 1-800-535-5053

The following recommendations for exposure controls and personal protection are intended for the manufacture, formulation and packaging of this product. For applications and/or use, consult the product label. The label directions supersede the text of this Safety Data Sheet for application and/or use.

#### Section 2. Hazards identification

##### Classification

##### OSHA Regulatory Status

This material is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

##### GHS Label elements, including precautionary statements

##### Emergency overview

This product contains no substances which at their given concentration, are considered to be hazardous to health.

**Hazards not otherwise classified (HNOC)**

No hazards not otherwise classified were identified.

**Other Information**

No information available

**Section 3. Composition/information on ingredients****Chemical Family** Triazolinones

Chemical Name	CAS-No	Weight %
Carfentrazone-ethyl	128639-02-1	21.3
Propylene glycol	57-55-6	1-5

Synonyms are provided in Section 1.

**Section 4. First aid measures**

<b>Eye Contact:</b>	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for further treatment advice.
<b>Skin Contact:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
<b>Inhalation:</b>	Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion:</b>	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
<b>Most Important symptoms and effects, both acute and delayed:</b>	Central nervous system effects. Gastrointestinal effects.
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	Treatment is symptomatic and supportive.

**Section 5. Fire-fighting measures****Suitable Extinguishing Media:** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder.**Specific Hazards Arising from the Chemical:** Slightly combustible. May support combustion at elevated temperatures.



**Explosion Data**

**Sensitivity to**

**Mechanical Impact:** No information available.

**Sensitivity to Static Discharge**

No information available.

**Protective equipment and precautions for firefighters:**

Wear self-contained breathing apparatus and protective suit.

**Section 6. Accidental release measures**

**Personal precautions**

Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.

**Other**

For further clean-up instructions, call INFOTRAC number listed in Section 1 " Emergency telephone number" above.

**Environmental Precautions**

Keep people and animals away from and upwind of spill/leak.

**Methods for Containment**

Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up**

Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

**Section 7. Handling and storage**

**Handling**

Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

**Storage**

Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.

**Incompatible products**

None known.

**Section 8. Exposure controls/personal protection**

**Control parameters**

Chemical Name	British Columbia	Quebec	Ontario TWAEV	Alberta
Propylene glycol 57-55-6	-	-	TWA: 10 mg/m <sup>3</sup> (aerosol only)  TWA: 50 ppm (aerosol and vapor)  TWA: 155 mg/m <sup>3</sup> (aerosol and vapor)	-



Appropriate engineering controls

**Engineering measures:** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection:** This product does not cause significant eye irritation or eye toxicity requiring special protection. Where there is significant potential for eye contact, wear chemical goggles and have eye flushing equipment available.

**Skin and Body Protection:** Wear long-sleeved shirt, long pants, socks, and shoes.

**Hand Protection:** Waterproof gloves.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures:** Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

**General Information:** If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

**Section 9. Physical and chemical properties**

Information on basic physical and chemical properties

<b>Appearance</b>	Liquid, Off-white
<b>Physical State</b>	Liquid
<b>Color</b>	Blue
<b>Odor</b>	Mild
<b>Odor threshold</b>	No information available
<b>pH</b>	4.29
<b>Melting point/freezing point</b>	Not applicable
<b>Boiling Point/Range</b>	No information available
<b>Flash point</b>	104 °C / 219 °F Seta Closed Cup
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Density</b>	8.80 lb/gal
<b>Specific gravity</b>	No information available
<b>Water solubility</b>	No information available
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	No information available



Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Molecular weight	No information available
Bulk density	8.80 lb/gal

## Section 10. Stability and reactivity

Reactivity	None under normal use conditions
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None under normal processing
Hazardous polymerization	Hazardous polymerization does not occur
Conditions to avoid	Heat, flames and sparks
Incompatible materials	None known
Hazardous Decomposition Products	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Hydrogen chloride. Hydrogen fluoride. Nitrogen oxides (NO <sub>x</sub> ).

## Section 11. Toxicological information

The below results are based on testing performed on representative samples of a mixture similar to this product.

### Product Information

LD50 Oral	4077 mg/kg (rat)
LD50 Dermal	> 4000 mg/kg (rat)
LC50 Inhalation	> 6.31 mg/L (4-hr) (rat)
Serious eye damage/eye irritation	Mildly irritating.
Skin corrosion/irritation	Mildly irritating (rabbit).
Sensitization	Based on a similar formulation, this product is not expected to produce skin sensitization.

### Information on toxicological effects

Symptoms	Signs of toxicity in laboratory animals included mydriasis, cyanosis, ataxia, dyspnea, lacrimation, and diarrhea.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity	Carfentrazone-ethyl: Long-term exposure caused hematotoxicity and deposit of porphyrin in the liver in animal studies.
Mutagenicity	Carfentrazone-ethyl : Not genotoxic in laboratory studies.
Carcinogenicity	Carfentrazone-ethyl : No evidence of carcinogenicity from animal studies. There was no evidence of carcinogenic activity of naphthalene in male mice, but there was some evidence of carcinogenic activity in female mice and clear evidence of carcinogenic activity in male and female rats in 2-year inhalation studies conducted by the National Toxicology Program (NTP).
Neurological effects	Carfentrazone-ethyl : Not neurotoxic.
Reproductive toxicity	Carfentrazone-ethyl : No toxicity to reproduction in animal studies.



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<b>Developmental toxicity</b>	Carfentrazone-ethyl : Not teratogenic in animal studies.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Neurological effects</b>	Carfentrazone-ethyl : Not neurotoxic.
<b>Aspiration hazard</b>	Potential for aspiration if swallowed.

## Section 12. Ecological information

### Ecotoxicity

#### Carfentrazone-ethyl (128639-02-1)

Active Ingredient	Duration	Species	Value	Units
Carfentrazone-ethyl	72 h EC50	Algae	0.012	mg/L
	96 h LC50	Fish	1.6	mg/L
	48 h LC50	Daphnia	>9.8	mg/L
	96 h NOEC	Algae	1.0	µg/L
	21 d NOEC	Fish	0.0187	mg/L
	21 d NOEC	Crustacea	0.22	mg/L

**Persistence and degradability** Carfentrazone-ethyl : Non-persistent. Readily hydrolyzed. Not readily biodegradable.

**Bioaccumulation** Carfentrazone-ethyl : The substance does not have a potential for bioconcentration.

**Mobility** Carfentrazone-ethyl : Mobility in soil: Not relevant

## Section 13. Disposal considerations

**Waste disposal methods** Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

**Contaminated Packaging** Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

## Section 14. Transport information

**DOT** This material is not a hazardous material as defined by U.S. Department of Transportation at 49 CFR Parts 100 through 185.

**TDG** Classification below is only applicable when shipped by vessel and is not applicable when shipped by road or rail only.

<b>UN/ID no</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard class</b>	9
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	Carfentrazone-ethyl
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.* (Carfentrazone-ethyl, Naphthalene), 9, PG III, Marine Pollutant



**ICAO/IATA**

UN/ID no	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard class	9
Packing Group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.* (Carfentrazone-ethyl), 9, PG III

**IMDG/IMO**

UN/ID no	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard class	9
Packing Group	III
EmS No.	F-A, S-F
Marine Pollutant	Carfentrazone-ethyl
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.* (Carfentrazone-ethyl), 9, PG III, Marine Pollutant

**Section 15. Regulatory information**

**U.S. 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

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**FIFRA 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:*

**CAUTION**

*Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation.*



US State Regulations

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene glycol 57-55-6	X		X

International Inventories

Chemical Name	TSCA (United States)	DSL (Canada)	EINECS/ ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Carfentrazone-ethyl 128639-02-1					X			
Propylene glycol 57-55-6	X	X	X	X	X	X	X	X

**Mexico – Grade** Serious risk, Grade 3

**Canada**

WHMIS Statement

This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**WHMIS Hazard Class** D2B –Toxic materials



**Section 16. Other information**

**NFPA**      **Health Hazards** 1      **Flammability** 1      **Instability** 0      **Special Hazards -**  
**HMIS**      **Health Hazards** 1\*      **Flammability** 1      **Physical hazard** 0      **Personal Protection** X  
*\*Indicates a chronic health hazard.*

**NFPA/HMIS Ratings Legend** Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

History

**Date of issue:** 01/10/18

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.