

SAFETY DATA SHEET



POND-KLEAR®

SECTION 1. IDENTIFICATION

Product name	:	POND-KLEAR®
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EPA Registration No. 8959-61

Relevant identified uses of the substance or mixture: Herbicide

Manufacturer or supplier's details

Company	:	SePRO Corporation 11550 North Meridian Street, Suite 600 Carmel IN 46032
	:	Phone 317-580-8282/Toll Free 1-800-419-7779 Fax: 317-580-8290 Monday-Friday, 8am-5pm EST
	:	www.sepro.com
Emergency telephone number	:	INFOTRAC 24-hour service 1-800-535-5053

Recommended use of the chemical and restrictions on use

Recommended use	:	Water treatment chemical
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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Reproductive toxicity	:	Category 2
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GHS label elements

Hazard pictograms	:	A GHS hazard pictogram for reproductive toxicity (H361). It consists of a black silhouette of a person with a starburst on their chest, enclosed in a red diamond-shaped border.
Signal word	:	Warning
Hazard statements	:	H361 Suspected of damaging fertility or the unborn child.



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Precautionary statements	:	<p>Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>Response: P308 + P313 IF exposed or concerned: Get medical advice/ attention.</p>
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Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature	:	Mixture
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Hazardous components

Chemical name / Synonyms	CAS-No.	Concentration (% w/w)
2-[7-Fluoro-3-oxo-4-(prop-2-yn-1-yl)-3,4-dihydro-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione	103361-09-7	43 - 47

SECTION 4. FIRST AID MEASURES

If inhaled	:	<p>Move to fresh air. If unconscious, place in recovery position and seek medical advice.</p>
In case of skin contact	:	<p>Wash with water and soap as a precaution. If on clothes, remove clothes. In the case of skin irritation or allergic reactions see a physician.</p>
In case of eye contact	:	<p>Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.</p>
If swallowed	:	<p>Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.</p>
Most important symptoms and effects, both acute and delayed	:	No information available.
Notes to physician	:	Treat symptomatically.



SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Dry chemical Carbon dioxide (CO ₂) Foam Water spray
Specific hazards during firefighting	:	Heating or fire can release toxic gas.
Further information	:	Use water spray to cool unopened containers.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Avoid contact with skin, eyes and clothing. Avoid inhalation of vapour or mist.
Conditions for safe storage	:	Keep tightly closed in a dry and cool place.
Materials to avoid	:	Refer to Section 10, "Incompatible Materials."
Further information on storage stability	:	No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propane-1,2-diol	57-55-6	TWA (Aerosols)	10 mg/m ³	WEEL

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : Wear protective gloves

Eye protection : Safety glasses

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Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the workplace.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	off-white, milky
Odour	:	sharp
Odour Threshold	:	no data available
pH	:	6.38 1% solution
Melting point/freezing point	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	> 212 °F / > 100 °C
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	no data available
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Relative density	:	1.157
Water solubility	:	no data available
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	no data available
Decomposition temperature	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.



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Possibility of hazardous reactions	:	Stable under recommended storage conditions.No hazards to be specially mentioned.
Conditions to avoid	:	Heat
Incompatible materials	:	Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	:	Nitrogen oxides (NOx) Carbon oxides Other hazardous decomposition products may be formed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	LD50 (Rat, female): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 2.10 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rat): > 5,000 mg/kg

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
Other adverse effects	

Ozone-Depletion Potential	:	Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B) Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	Very toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS



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Disposal methods

Waste from residues	:	If this product becomes a waste, it will be a nonhazardous waste. As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.
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SECTION 14. TRANSPORT INFORMATION

DOT Number	:	3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Flumioxazin)
Transport hazard class	:	9
Packing group	:	III
Labels	:	9
Emergency Response Guidebook Number	:	171
Environmental hazards	:	yes

TDG

UN number	:	3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Flumioxazin)
Transport hazard class	:	9
Packing group	:	III
Labels	:	9
Environmental hazards	:	yes

IATA

UN number	:	3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Flumioxazin)
Transport hazard class	:	9
Packing group	:	III
Labels	:	9MI
Environmental hazards	:	yes

IMDG

UN number	:	3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Flumioxazin)
Transport hazard class	:	9
Packing group	:	III
Labels	:	9
EmS Number 1	:	F-A
EmS Number 2	:	S-F
Environmental hazards	:	Marine pollutant: yes

ADR

UN number	:	3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Flumioxazin)



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Transport hazard class	:	9
Packing group	:	III
Classification Code	:	M6
Hazard Identification Number	:	90
Labels	:	9
Environmental hazards	:	yes

RID		
UN number	:	3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Flumioxazin)
Transport hazard class	:	9
Packing group	:	III
Classification Code	:	M6
Hazard Identification Number	:	90
Labels	:	9
Environmental hazards	:	yes

Special precautions for user	:	
49CFR (DOT) Material is not regulated for ground transportation within the US if shipped in non-bulk packages. Material is not regulated as a marine pollutant for ground transportation within the US if shipped in non-bulk packages (reference 49CFR 171.4(c)).		

Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode	:	Not applicable
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SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals.

EPA Registration number	:	8959-61
Signal word	:	CAUTION!
Hazard statements	:	Harmful if inhaled. Harmful if absorbed through skin. Causes moderate eye irritation.

EPCRA - Emergency Planning and Community Right-to-Know Act CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification



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SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

Components	CAS-No.	Concentration
Propane-1,2-diol	57-55-6	5 - 7 %

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State

Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Components	CAS-No.
2-[7-Fluoro-3-oxo-4-(prop-2-yn-1-yl)-3,4-dihydro-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione	103361-09-7
Water	7732-18-5
Propane-1,2-diol	57-55-6
Proprietary ingredients	Not Assigned

New Jersey Right To Know

Components	CAS-No.
2-[7-Fluoro-3-oxo-4-(prop-2-yn-1-yl)-3,4-dihydro-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione	103361-09-7
Water	7732-18-5
Propane-1,2-diol	57-55-6



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Proprietary ingredients	Not Assigned
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California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Canadian lists
NPRI**

Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

WEEL	:	US. OARS. WEELs Workplace Environmental Exposure Level Guide, as amended
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AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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POND-KLEAR®

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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