



# SAFETY DATA SHEET

In accordance with the Hazardous Products Regulations (HPR)

## BIOPURGE

### SECTION 1: IDENTIFICATION

<b>Product name</b>	<b>BIO-PURGE WD-3100</b>
<b>Product codes</b>	<b>BIO1, BIO4</b>
<b>Uses</b>	Biopurge WD-3100 is an effective corrosion inhibitor and sequesterant for use in potable and industrial water systems.
<b>Restricted use</b>	None known
<b>Supplier</b>	
<b>Name</b>	Canadianpond.ca Products Ltd.
<b>Address</b>	570 ch Knowlton Lac-Brome, Québec, J0E 1V0, Canada
<b>Telephone</b>	+1 450-243-0976
<b>Contact email</b>	info@canadianpond.ca
<b>Emergency telephone number</b>	Canutec - 24 hours emergency contact no 613-996-6666 Quebec Centre antipoison (24 h service) Quebec: (418) 656-8090 Other regions: (800) 463-5060

### SECTION 2: HAZARDS IDENTIFICATION

<b>Physical hazards</b>	Not classified	
<b>Health hazards</b>	Causes skin corrosion / irritation Series eye damage / eye irritation	Category 2 Category 1
<b>Environmental hazards</b>	Not classified	

**Label elements**



**Signal word**

**DANGER**

**Hazard statement**

Causes skin irritation. Causes serious eye damage.

**Precautionary statements**

**Prevention**

Wear protective gloves/protective clothing/eye protection/face protection.  
Wash hands thoroughly after handling

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Storage**

Store away from incompatible materials.

**Disposal**

Dispose of waste and residues in accordance with local authority requirements.

**Other hazards**

None known

**Supplemental Information:**

None



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS number	(%) (w/w)
2-propenoic Acid, Polymer With Sodium Phosphinate	71050-62-9	1 - 10

All concentration are in percent by weight unless ingredient is a gas. Gas concentration are in percent by volume.

## SECTION 4: FIRST AID MEASURES

- Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.
- Skin contact:** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Wash contaminated clothing before reuse.
- Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
- Ingestion:** Rinse mouth. Call a POISON CENTER or a doctor if symptoms occur.
- Most important symptoms and effects**
- Symptoms:** Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
- Indication of any immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
- General information:** Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

## SECTION 5: FIREFIGHTING MEASURES

- Suitable extinguishing media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.
- Specific hazards arising from the product:** During fire, hazardous combustion products are released that may include: Carbon oxides (CO<sub>x</sub>). Phosphorus Oxides (P<sub>x</sub>O<sub>y</sub>). Sodium oxides.
- Advice for firefighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. In case of fire, do not breathe fumes. Move containers from fire area if you can do so without risk.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures:** Keep unnecessary personnel away. Ensure adequate ventilation. Avoid breathing mist of vapour. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment. For personal protection, see section 8 of the SDS.
- Methods and material for containment and cleaning up:** Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
- Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
- Environmental precautions:** Prevent further leakage or spillage if safe to do so.



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## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:** Do not get this material in contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Avoid contact with skin, and clothing. Avoid breathing vapor or mist.

**Conditions for safe storage:** Store in original tightly closed container.

**Incompatibilities:** Store away from incompatible materials (see section 10 of the SDS).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Occupational exposure limit values:** No exposure limits noted for ingredient(s).

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines:** No exposure standards allocated.

**Appropriate engineering controls:** Gentle ventilation normally adequate.

### Personal protection measures



**Eye/Face Protection:** Wear safety glasses with side-shields.

**Skin Protection: Hands:** Wear appropriate chemical resistant gloves.

**Other:** Wear suitable protective clothing.

**Respiratory protection:** In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment.

**Thermal Hazards:** Wear appropriate thermal protective clothing, when necessary.

**General Hygiene considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protection equipment to remove contaminants.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colorless solution.
<b>Physical state:</b>	Liquid.
<b>Form:</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour:</b>	Odorless
<b>Odor threshold:</b>	Not available
<b>pH:</b>	1% solution = 3.8 +/- 0.5 pH of neat = 3.6
<b>Melting / Freezing point:</b>	< 0 °C (< 32 °F)
<b>Initial Boiling point and boiling range:</b>	101 °C (213.8 °F)
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Flammability limit: Lower (%):</b>	Not available
<b>Flammability limit: Upper (%):</b>	Not available
<b>Explosive limit: Lower (%):</b>	Not available
<b>Explosive limit: Upper (%):</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Relative density:</b>	1.050 ± 0.03 at 25 °C
<b>Water solubility:</b>	Completely soluble.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available



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## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerisation will not occur.
<b>Conditions to avoid:</b>	Contact with incompatible materials.
<b>Incompatible materials:</b>	Strong oxidising agents. Strong acids. Strong bases.
<b>Hazardous decomposition products:</b>	No hazardous decomposition products are known.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Possible routes of exposure:</b>	
Inhalation	In high concentrations, vapours may be irritating to the respiratory system.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.
Ingestion	May cause discomfort if swallowed.
<b>Symptoms related to the Physical, chemical and toxicological characteristics</b>	
	Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
<b>Information on toxicological effects:</b>	
<b>Acute toxicity:</b>	May cause discomfort if swallowed.
<b>Skin corrosion/irritation:</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation:</b>	Causes serious eye damage.
<b>Respiratory or skin sensitization:</b>	
<b>Respiratory sensitisation:</b>	No data available.
<b>Skin sensitivity:</b>	Not a skin sensitiser.
<b>Germ cell mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity:</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Reproductive toxicity:</b>	No data available.
<b>Specific target organ toxicity (single exposure):</b>	No data available.
<b>Specific target organ toxicity (repeat exposure):</b>	No data available.
<b>Aspiration hazard:</b>	Not classified

## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability:</b>	The product is not expected to be readily biodegradable.
<b>Bioaccumulative potential:</b>	No data available for this product.
<b>Mobility in soil:</b>	Not available
<b>Other adverse effects:</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Disposal instructions:</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Local disposal regulations:</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code:</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products:</b>	Dispose of in accordance with local regulations.



# SAFETY DATA SHEET

In accordance with the Hazardous Products Regulations (HPR)

**Contamination packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: TRANSPORT INFORMATION

The product is not regulated for TDG, IATA and IMDG.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not available

## SECTION 15: REGULATORY INFORMATION

**Canadian Regulations:** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Controlled Drugs and Substances Act:** Not regulated

**Export Control List (CEPA 1999, Schedule 3)** Not listed

**Greenhouse Gases** Not listed

**Precursor Control Regulations** Not regulated

### International Regulations

**Stockholm Convention** Not applicable

**Rotterdam Convention** Not applicable

**Kyoto Protocol** Not applicable

**Montreal Protocol** Not applicable

**Basel Convention** Not applicable

### International Inventories

Country(s) or Region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Toxic Chemical Substances (TCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16: OTHER INFORMATION

**Created by:** Canadianpond.ca Products Ltd.

**Telephone:** +1 450-243-0976

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**Revision date:** -

**References:** HSDB® - Hazardous Substance Data Bank

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