

PondKlear Aquatic Herbicide

Version 1.0

SDS Number: 000000035713

Revision Date: 2018.01.04

SECTION 1. IDENTIFICATION

Product name : PondKlear Aquatic Herbicide

Product code : 000000035713

Manufacturer or supplier's detailsCompany : Arch Chemicals, Inc.
1200 Bluegrass Lakes Parkway
Alpharetta, GA
30004
United States of America (USA)

E-mail address : sds@lonza.com

Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,
CHEMTREC WORLD-WIDE: +1-703-527-3887.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Reproductive toxicity : Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **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.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/container in accordance with local regulation.**Other hazards**None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical nature : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (%)
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	43.00 - 47.00
Propane-1,2-diol	57-55-6	5.00 - 7.00

SECTION 4. FIRST AID MEASURES

- If inhaled : Move to fresh air.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : 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.
- In case of eye contact : 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.
- If swallowed : Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- 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 (CO₂)
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 procedure : Use personal protective equipment.

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Environmental precautions

Air	:	Not applicable
Water	:	If the product contaminates rivers and lakes or drains inform respective authorities. Do not flush into surface water or sanitary sewer system.
Soil	:	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a 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."

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
		TWA (Aerosols)	10 mg/m ³	CAD ON OEL
		TWA (Vapor and aerosol.)	50 ppm 155 mg/m ³	CAD ON OEL

Hazardous components without workplace control parameters

Components	CAS-No.
1,2-Benzisothiazol-3(2H)-one	2634-33-5

Appropriate engineering controls

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

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : 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 work place. |
| Hygiene measures | : | Handle in accordance with good industrial hygiene and safety practice. |
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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|--|---|-------------------|
| 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 |
| Evaporation rate | : | no data available |
| Flammability (solid, gas) | : | 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

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| Reactivity | : | No decomposition if stored and applied as directed. |
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Chemical stability	:	Stable under recommended storage conditions.
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 (NO _x) Carbon oxides Other hazardous decomposition products may be formed.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Acute oral toxicity (LD50) : > 5,000 mg/kg
Species: Rat (female)

Acute inhalation toxicity (LC50) : > 2.10 mg/l
Species: Rat
Exposure time: 4 h

Acute dermal toxicity (LD50) : > 5,000 mg/kg
Species: Rat

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**

no data available

Persistence and degradability

no data available

Bioaccumulative potential

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Components:**Propane-1,2-diol**

Partition coefficient: n-octanol/water : log Pow: -0.92
 log Pow: -1.07 (20.5 °C)
 pH: 6.2 - 6.4
 Method: Tested according to Directive 92/69/EEC.

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**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.

SECTION 14. TRANSPORT INFORMATION**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

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ADR

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

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

DOT

UN 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 : 171
Number
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

Special precautions for user : none

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

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This product does not contain any Hazardous Substances listed under the U.S. CleanWater 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

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

New York City Hazardous Substances

No components listed on the New York City Hazardous Substances List

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.

SECTION 16. OTHER INFORMATION

Arch is a wholly-owned subsidiary of Lonza and continues to operate as Arch Chemicals, Inc.
Revision Date : 2018.01.04

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.