



Safety Data Sheet Aquacide Pellets

SECTION 1: Identification

1.1 Product identifier

Product name	Aquacide Pellets
Product number	10A,50A
Brand	Aquacide
Substance name	Aquacide Pellets

1.2 Other means of identification

Off white 1/2 inch pellet.

1.3 Recommended use of the chemical and restrictions on use

For Use in Ponds, Lakes, Reservoirs, Bayous, Drainage Ditches, Non-Irrigation Canals, Rivers and Streams that are quiescent or slow moving. Other uses than stated is not advised.

1.4 Supplier's details

Name	Aquacide Co.
Address	1627 9th Street PO Box 10748 White Bear Lake, MN 55110 USA
Telephone	651-429-6126
Fax	651-429-0563
email	info@killlakeweeds.com

1.5 Emergency phone number(s)

1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 1
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H302	Harmful if swallowed
H318	Causes serious eye damage
H335	May cause respiratory irritation

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H336 May cause drowsiness or dizziness

Precautionary statement(s)

P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell,
P330	Rinse mouth.
P501	Dispose of contents/container to an approved waste disposal site.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P261	Avoid breathing dust if present.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.

2.3 Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substance name Aquacide Pellets

Hazardous components

1. Sodium sulfate

Concentration > 30 - < 50 %
CAS no. 7757-82-6

2. Bentonite

Concentration > 20 - < 40 %
CAS no. 1302-78-9

3. 2,4-DICHLOROPHENOXYACETIC ACID

Concentration 17.5 - 17.5 %
EC no. 202-361-1
CAS no. 94-75-7
Index no. 607-039-00-8

- Acute toxicity (chapter 3.1), Cat. 4
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

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4. LACTOSE

Concentration > 1 - < 20 %
CAS no. 63-42-3

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In case of eye contact Hold eye 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.

If swallowed Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Personal protective equipment for first-aid responders

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, foam, dry chemical extinguishers, or carbon dioxide.

5.2 Specific hazards arising from the chemical

May produce irritating or hazardous oxides.

5.3 Special protective actions for fire-fighters

Keep people away. Soak thoroughly with water to cool and prevent re-ignition. Use fine water spray or foam. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Contain fire water run-off if possible.

Further information

As in any fire, wear approved self contained pressure demand breathing apparatus and full protective gear.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard. Ventilate area of leak or spill.

6.2 Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep out of reach of children. Keep away from heat, sparks and flame. Do not swallow. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs or potable water supplies. Avoid temperatures above 150°C (302°F)

Specific end use(s)

Weed control in Ponds, Lakes, Reservoirs, Bayous, Drainage Ditches, Non-Irrigation Canals, Rivers and Streams that are quiescent or slow moving.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 94-75-7

2,4-D (Dichlorophen-oxyacetic acid)

Cal/OSHA: 10 mg/m³ PEL inhalation; NIOSH: 10 mg/m³ REL inhalation; OSHA: 10 mg/m³ PEL inhalation

8.2 Appropriate engineering controls

None required with normal household use.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Appropriate safety glasses or goggles can be worn to avoid accidental eye contact.

Skin protection

Long sleeved shirt, long pants, shoes plus socks.

Body protection

Wear clean, body covering clothing.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH.

Thermal hazards

No data available.

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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Off white gray 1/2 inch pellets
Odor	Mild Phenolic
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	140° C (284° F)
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not applicable/Not applicable
Upper/lower explosive limits	Not applicable
Vapor pressure	No data available
Vapor density	Not applicable
Relative density	> 1.5
Solubility(ies)	> 50%
Partition coefficient: n-octanol/water	log Pow: -0.83 Measured
Auto-ignition temperature	Not applicable
Decomposition temperature	273.96° C (523.33° F)
Viscosity	Not applicable
Explosive properties	None
Oxidizing properties	None

Other safety information

The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Exposure to moisture. High temperatures.

10.5 Incompatible materials

Do not store near acids, Strong oxidizing agents.

10.6 Hazardous decomposition products

Under fire conditions: Carbon dioxide, Carbon monoxide, Sulphur oxides, Hydrogen chloride.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

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Bentonite
LC50 Inhalation - Rat - >5.27 mg/l - 4 hour

Bentonite
LD50 Oral - Rat - >2,000 mg/kg

Sodium sulfate
LD50 Oral - Rat - >10,000 mg/kg

2,4-DICHLOROPHENOXYACETIC ACID
LD50 Oral - Rat - 639 mg/kg

Skin corrosion/irritation

Sodium Sulfate: No data for dermal but not expected to be of concern.

Bentonite: Not classified

2,4-DICHLOROPHENOXYACETIC ACID
LD50 Skin - Rabbit - > 5,000 mg/kg

Lactose: Not classified

Serious eye damage/irritation

Sodium Sulfate: May cause slight eye irritation

Bentonite: Dust in eyes will cause irritation.

2,4-DICHLOROPHENOXYACETIC ACID: Solid may cause irritation or corneal injury due to mechanical action.

Respiratory or skin sensitization

May cause slight skin irritation.

Germ cell mutagenicity

Not Applicable (testing negative)

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP.

Reproductive toxicity

(2,4-Dichlorophenoxyacetic Acid only) In laboratory animals, EXCESSIVE doses toxic to the parent animals caused decreased weight and survival of offspring.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

In animals, effects have been reported on the following organs: (2,4-Dichlorophenoxyacetic Acid only)

Liver.

Kidney.

Gastrointestinal tract.

Muscles.

Observations in animals include:

Gastrointestinal irritation.

Vomiting.

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Aspiration hazard

Based on physical properties, not likely to be an aspiration hazard.

SECTION 12: Ecological information

Toxicity

Sodium Sulfate: LC50 Fish: Pimephales Promelas 96 hours = 7960 mg/l
EC50 Algae: Nitzschia linearis 120 hours = 1900 mg/l

Bentonite: LC50: Fresh Water Fish 96 hours 1600 mg/l
EC50: Algae 72 hours >100 mg/l

2,4-Dichlorophenoxyacetic Acid: LC50: fathead minnow 96 Hour 227 mg/l
EC50: green algae 96 hour 24.2 mg/l

Lactose: No data available.

Persistence and degradability

Sodium Sulfate: Not relevant for inorganic substances.

Bentonite: Not relevant for inorganic substances.

2,4-Dichlorophenoxyacetic Acid: Biodegradability:
Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.
10-day Window: Pass
Bio degradation: 99 %
Exposure time: 28 d
Method: OECD Test Guideline 301F or Equivalent

Lactose: Biodegradable (No data available.)

Bioaccumulative potential

Sodium Sulfate: BCF 0.5 predicted using EPI Suite program. Very low, does not suggest any concern.

Bentonite: Will not bio accumulate.

2,4-Dichlorophenoxyacetic Acid: BCF <100 Low potential for bio accumulation.

Lactose: No data available.

Mobility in soil

Sodium Sulfate: Soluble expected to move with water in soil.

Bentonite: Poor solubility, low mobility in soil.

2,4-Dichlorophenoxyacetic Acid: Potential for mobility in soil. (Koc between 0 and 50).

Lactose: No data available.

Other adverse effects

No other adverse environmental effects from this mixture.

SECTION 13: Disposal considerations

Disposal of the product

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Dispose of contents/container in accordance with the local, regional, national regulations.

Disposal of contaminated packaging

Offer for recycling if available. If recycling not available, then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: 2,4-D

CAS number: 94-75-7

New Jersey Right To Know Components

Common name: 2,4-D

CAS number: 94-75-7

Pennsylvania Right To Know Components

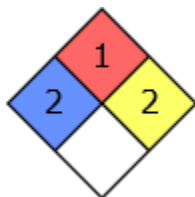
Chemical name: Acetic acid, (2,4-dichlorophenoxy)-

CAS number: 94-75-7

HMIS Rating

Aquacide Pellets	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	2
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

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Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and Aquacide Co. assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.