

35% PEROX-AID- hydrogen peroxide solution
Western Chemical Inc.

35% PeroxAid (hydrogen peroxide)
Concentrated Immersion Solution
396.1 mg hydrogen peroxide/mL
External microbicide

Active Drug Ingredient
hydrogen peroxide

USES

FOR FRESHWATER-REARED FINFISH EGGS

For the control of mortality in freshwater-reared finfish eggs due to saprolegniasis (fungi of the family Saprolegniaceae).

FOR FRESHWATER-REARED COLDWATER FINFISH

For the control of mortality in freshwater-reared coldwater finfish (all life stages) due to saprolegniasis associated with the fungi in the family Saprolegniaceae.

FOR FRESHWATER-REARED SALMONIDS

For the control of mortality in freshwater-reared salmonids due to bacterial gill disease associated with *Flavobacterium branchiophilum*.

For the treatment and control of *Gyrodactylus* spp. in freshwater-reared salmonids.

FOR FRESHWATER-REARED COOLWATER FINFISH

For the control of mortality in freshwater-reared coolwater finfish due to external columnaris disease associated with *Flavobacterium columnare*.

For the control of mortality in freshwater-reared coolwater finfish fingerlings and adults due to saprolegniasis associated with the fungi in the family Saprolegniaceae.

FOR FRESHWATER-REARED WARMWATER FINFISH

For the control of mortality in freshwater-reared warmwater finfish due to external columnaris disease associated with *Flavobacterium columnare*.

For the control of mortality in freshwater-reared warmwater finfish fingerlings and adults due to saprolegniasis associated with the fungi in the family Saprolegniaceae.

DESCRIPTION

35% PEROX-AID® (hydrogen peroxide) is a concentrated immersion solution containing 396.1 mg hydrogen peroxide per mL.

Hydrogen Peroxide (H₂O₂) 35% (W/W)

Water and inert ingredients 65% (W/W)

WITHDRAWAL PERIODS

No withdrawal period is required when used according to labeling.

USER SAFETY WARNINGS

Not for use in humans. Keep out of reach of children.

INHALATION (Breathing):

Avoid breathing vapor or mist; causes irritation of the nose, throat and lungs; exposure may be fatal.

INGESTION (Swallowing):

Do not swallow; this product is harmful if swallowed; large exposures may be fatal; can burn mouth, throat, and stomach.

EYE CONTACT:

Do not get in eyes; causes eye burns and possible blindness; effects may be delayed.

SKIN CONTACT:

Avoid contact with skin; causes skin irritation or burns.

HUMAN PRECAUTIONS

- ▢ Wear chemical safety goggles.
- ▢ Wear neoprene, butyl, or vinyl gloves.
- ▢ Keep out of reach of children.
- ▢ Use only in adequate ventilation.
- ▢ Keep containers tightly closed when not in use.
- ▢ Wear suitable protective clothing.

EMERGENCY FIRST AID

- ▢ In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician.
- ▢ Remove and wash contaminated clothing and shoes promptly and thoroughly.
- ▢ If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- ▢ If swallowed, do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician.
- ▢ Bring the package insert with you to the health care professional.

ENVIRONMENTAL WARNINGS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authorities are notified in writing prior to discharge. Notify the NPDES authority that a water quality benchmark for the protection of freshwater aquatic life has been derived for hydrogen peroxide by FDA following EPA guidelines. The acute benchmark value for hydrogen peroxide is 0.7 mg/L. Water quality benchmark concentrations are not discharge limits, but may be used by the NPDES authority to derive such limits for the permit. Additional environmental information on hydrogen peroxide and the benchmark value are available in an environmental assessment available at <https://animaldrugsatfda.fda.gov/adafda/app/search/public/document/downloadEA/123>.

Mixtures with combustible or flammable materials may ignite easily, burn fiercely, or may explode in contaminated closed containers.

When placed in an unsuitable container, or introduced to other contaminants, elevated temperatures above 38°C (100°F) can increase the decomposition rate of the product.

- ▢ In case of fire involving this product, use water only.
- ▢ Heat or contamination may cause decomposition and result in dangerous pressure

In case of spill or leak, flush away by flooding with water applied quickly to entire spill or leak

DIRECTIONS

1. Dissolve 35% PEROX-AID® in culture water before addition to the culture unit to achieve required dose based on active ingredient. Consider using aeration to help disperse the chemical and to ensure adequate oxygenation levels.
2. Before treatment, remove dead eggs or finfish and clean rearing units to be treated.

The formula to determine the correct volume of 35% PEROX-AID® required for treatment is:

Treatment conc. mg/L (as H₂O₂) ____ X treatment vol. (L) x 1,000 mL/L = ml of 35% PEROX-AID®
 396,100 mg H₂O₂ / L 35% PEROX-AID®

1. FRESHWATER-REARED FINFISH EGGS

Apply 35% PEROX-AID® at the full concentration in the table below in continuous flow water supply of finfish egg incubation units for 15 minutes. Treat finfish egg incubation units once per day on consecutive or alternate days until hatch to control mortalities associated with external saprolegniasis in a tiered dosing system as follows:

USE	SPECIES/CLASS	DOSE (AS H ₂ O ₂)	DURATION (per day)
For the control of mortality due to saprolegniasis associated with fungi in the family Saprolegniaceae	All cold and coolwater freshwater-reared finfish eggs ¹	500- 1,000 mg/L	15 minutes
		750- 1,000 mg/L	15 minutes

1 An initial bioassay on a small number is recommended before treating the entire group. The amount of 35% PEROX-AID® required for treatment is dependent on the volume of water treated (which equals the water flow rate times 15 min; 10 L/min x 15 = 150L).

Example calculation:

500 mg/L (as H₂O₂) X 150L x 1,000 mL/L = 189 mL 35% PEROX-AID® 396,100 mg H₂O₂ / L 35% PEROX-AID®

2. FRESHWATER-REARED FINFISH

Apply 35% PEROX-AID® at the full concentration in the table (milligrams hydrogen peroxide per liter of culture water [mg/L; equivalent to parts per million (ppm)]) in continuous flow water supply or as a static bath in finfish culture units once per day on alternate days for three treatments.

USE	SPECIES CLASS	DOSE (AS H ₂ O ₂)	DURATION PER DAY
For the control of mortality due to saprolegniasis associated with fungi in the family Saprolegniaceae	In freshwater-reared coldwater finfish including salmonids (all life stages)	75 mg/L	60 minutes
	In freshwater-reared coolwater finfish fingerling and adults		
	In freshwater-reared warmwater finfish fingerling and adults		
For the control of mortality due to bacterial gill disease associated with Flavobacterium	In freshwater-reared salmonids	100 mg/L or 50-	30 minutes or 60

branchiophilum		100 mg/L	minutes
For the treatment and control of Gyrodactylus spp	In freshwater-reared salmonids	100 mg/L	30 minutes or 60 minutes
For the control of mortality due to external columnaris disease associated with Flavobacterium columnare	In freshwater-reared coolwater and warmwater finfish fingerling and adults In freshwater-reared coolwater finfish fry and warmwater finfish fry	50 mg/L	60 minutes

HOW SUPPLIED

35% PEROX-AID® is available as: 5-gallon container (19L), 55-gallon drum (208L), and 328-gallon container (1240L).

STORAGE, HANDLING

- Avoid outdoor storage.
- Store in original container in dry location.
- Keep out of sun and away from heat.
- Never use pressure to empty – container is not a pressure vessel.
- Keep open lights, fire, and sparks away from container.
- Do not add any other products to this container.
- Never return unused 35% PEROX-AID® to the container – dilute with plenty of water and discard.
- When empty, rinse container thoroughly with clean water before discarding.

NOTICE: Since empty containers retain product residue, follow label warnings even after container is empty.

Store in a manner designed to prevent spills to surface waters. Implement procedures to properly contain, clean, and dispose of any spilled material.

Hydrogen peroxide is a strong oxidizer and a characteristic, hazardous waste as defined by RCRA (40 CFR 261). Contact your State Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance on disposal.

DO NOT flush to sewer unless diluted to 1% or less concentration due to explosion hazard. Do not contaminate surface water when disposing of equipment washwaters or rinsate. Empty containers may contain residues and should be washed with water prior to disposal.

QUESTIONS/COMMENTS

QUESTIONS/COMMENTS

For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, CALL CHEMTREC, DAY OR NIGHT 1-800-424-9300.

To report side effects or for technical assistance, or to obtain a copy of the SDS, contact Syndel at 1-800-283-5292 or www.syndel.com. For additional information about reporting side effects for animal drugs, contact FDA at 1-888-FDA-VETS or online at <http://www.fda.gov/reportanimalae>.

Perox-Aid Label 328 gallons ver. 062519.jpg

Before using this drug, read package insert for complete product information.

Active Ingredients: hydrogen peroxide

STORAGE, HANDLING AND DISPOSAL

- Avoid outdoor storage.
- Store in original container in dry location.
- Keep out of sun and away from heat.
- Never use pressure to empty – container is not a pressure vessel.
- Keep open lights, fire, and sparks away from container.
- Do not add any other products to this container.
- Never return unused 35% PEROX-AID[®] to the container – dilute with plenty of water and discard.
- When empty, rinse container thoroughly with clean water before discarding.

NOTICE: Since empty containers retain product residue, follow label warnings even after container is empty. Store in a manner designed to prevent spills to surface waters.

Implement procedures to properly contain, clean, and dispose of any spilled material.

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DO NOT flush to sewer unless diluted to 1% or less concentration due to explosion hazard.
Do not contaminate surface water when disposing of equipment washwaters or rinsate.
Empty containers may contain residues and should be washed with water prior to disposal.

USER SAFETY WARNINGS

Not for use in humans. Keep out of reach of children.

INHALATION (Breathing):

- Avoid breathing vapor or mist; causes irritation of the nose, throat and lungs; exposure may be fatal.

INGESTION (Swallowing):

- Do not swallow; this product is harmful if swallowed; large exposures may be fatal, can burn mouth, throat, and stomach.

EYE CONTACT:

- Do not get in eyes; causes eye burns and possible blindness; effects may be delayed.

SKIN CONTACT:

- Avoid contact with skin; causes skin irritation or burns.

HUMAN PRECAUTIONS

- Wear chemical safety goggles.
- Wear neoprene, butyl, or vinyl gloves.
- Keep out of reach of children.
- Use only in adequate ventilation.
- Keep containers tightly closed when not in use.
- Wear suitable protective clothing.

EMERGENCY FIRST AID

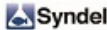
- In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician.
- Remove and wash contaminated clothing and shoes promptly and thoroughly.
- If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- If swallowed, do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician.
- Bring the package insert with you to the health care professional.

NOTE TO PHYSICIAN: If swallowed, large quantities of oxygen may be released quickly. The distension of the stomach or esophagus may be injurious. Insertion of a gastric tube may be advisable.

QUESTIONS/COMMENTS

For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, CALL CHEMTREC, DAY OR NIGHT 1-800-424-9300.

To report side effects or for technical assistance, or to obtain a copy of the SDS, contact Syndel at 1-800-263-5202 or www.syndel.com. For additional information about reporting side effects for animal drugs, contact FDA at 1-888-FDA-VETS or online at <http://www.fda.gov/medwatch>.



35% PEROX-AID[®]
(hydrogen peroxide)
Concentrated Immersion Solution
396.1 mg hydrogen peroxide/mL
External Microbicide

USES

FOR CONTROL OF MORTALITY IN FRESHWATER-REARED FINFISH, FOR: (1) FINFISH EGGS; COLDWATER FINFISH; AND COLDWATER AND WARMWATER FINFISH FINGERLINGS AND ADULTS DUE TO SAPROLEGNIASIS; (2) SALMONIDS DUE TO BACTERIAL GILL DISEASE; (3) SALMONIDS DUE TO CYPRIDACTYLUS SPP.; (4) COLDWATER AND WARMWATER FINFISH DUE TO EXTERNAL COLUMNARIS DISEASE

WITHDRAWAL PERIODS

◀ No withdrawal period is required when used according to labeling. ▶

Net Contents: 328 gallons (1240 Liters)

Approved by FDA under NADA # 141-255

Manufactured for:
Syndel
1441 W. Smith Road
Ferdale, WA 98248
Phone: (360) 384-5888

Lot Number: _____

Expiry Date: _____

ver. 052519

UN2014,
HYDROGEN PEROXIDE 35%, Aqueous Solutions
5.1, (8), PGII, ERG# 140

ANIMAL SAFETY WARNINGS

Do not use this drug product to treat northern pike, Bowfin or paddlefish. Polyodon spatula of any age.
Do not use this product to treat pallid sturgeon fry.

LIMITATIONS AND CAUTIONS FOR FINFISH USE

1. Before conducting treatments with 35% PEROX-AID[®], users should test the sensitivity of the finfish species and the life stage to the treatment concentration in a small number before treating the entire group.
2. Use with caution on rainbow smelt and trout.
3. Use with caution on ornamental fish.
4. Because finfish sensitivity to 35% PEROX-AID[®] increases with increasing water temperature, consider administering initial treatments at the lower end of the treatment regimen or reducing water temperature before treatment.

LIMITATIONS AND CAUTIONS FOR FINFISH EGG USE

Some strains of rainbow eggs are sensitive to 35% PEROX-AID[®] treatment at a time during incubation concurrent with blastopore formation through cleavage, about 70 to 140 Daily Temperature Units, °C. Consider withholding treatment or using alternate therapeutant during that sensitive time period to reduce egg mortalities due to 35% PEROX-AID[®] toxicity.

Although it is unknown whether eggs of other freshwater-reared salmonids or other freshwater-reared finfish other than rainbow trout also have a similar sensitive period, hatchery personnel unfamiliar with the effects of 35% PEROX-AID[®] treatments on the species they are culturing should carefully monitor eggs treated with 35% PEROX-AID[®].

ENVIRONMENTAL WARNINGS

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- Mixtures with combustible or flammable materials may ignite easily, burn fiercely, or may explode in contaminated closed containers.
- When placed in an unsuitable container, or introduced to other contaminants, elevated temperatures above 38°C (100°F) can increase the decomposition rate of the product.
- In case of fire involving this product, use water only.
- Heat or contamination may cause decomposition and result in dangerous pressure.
- In case of spill or leak, flush away by flooding with water applied quickly to entire spill or leak.

OTHER WARNINGS

Do not use in earthen ponds with no water exchange.

Flow to the culture unit must be sufficient to rapidly flush 35% PEROX-AID[®] from the culture unit after treatment. Consult with Syndel when treating finfish in recirculating systems for proper procedures regarding flushing characteristics.

Use with caution in recirculating aquaculture systems due to potential for impacts on the biofilter. Monitor water quality parameters (e.g., ammonia, nitrate) during and after treatment. Consider bypassing biofilter if possible.

USES

FOR FRESHWATER-REARED FINFISH EGGS

For the control of mortality in freshwater-reared finfish eggs due to saprolegniasis (fungi of the family Saprolegniaceae).

FOR FRESHWATER-REARED COLDWATER FINFISH

For the control of mortality in freshwater-reared coldwater finfish (all life stages) due to saprolegniasis associated with the fungi in the family Saprolegniaceae.

FOR FRESHWATER-REARED SALMONIDS

For the control of mortality in freshwater-reared salmonids due to bacterial gill disease associated with Flavobacterium branchiphilum.

For the treatment and control of Gyrodactylus spp. in freshwater-reared salmonids.

FOR FRESHWATER-REARED COLDWATER FINFISH

For the control of mortality in freshwater-reared coldwater finfish due to external columnaris disease associated with Flavobacterium columnare.

For the control of mortality in freshwater-reared coldwater finfish fingerlings and adults due to saprolegniasis associated with the fungi in the family Saprolegniaceae.

FOR FRESHWATER-REARED WARMWATER FINFISH

For the control of mortality in freshwater-reared warmwater finfish due to external columnaris disease associated with Flavobacterium columnare.

For the control of mortality in freshwater-reared warmwater finfish fingerlings and adults due to saprolegniasis associated with the fungi in the family Saprolegniaceae.

35% PEROX-AID

hydrogen peroxide solution

Product Information

Product Type	OTC ANIMAL DRUG	Item Code (Source)	NDC:50378-014
Route of Administration	TOPICAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
HYDROGEN PEROXIDE (UNII: BBX060AN9V) (HYDROGEN PEROXIDE - UNII:BBX060AN9V)	HYDROGEN PEROXIDE	350 g in 1 L

Inactive Ingredients

Ingredient Name	Strength
Water (UNII: 059QF0KO0R)	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:50378-014-01	208 L in 1 DRUM		
2	NDC:50378-014-10	19 L in 1 CONTAINER		

3	NDC:50378-014-99	1200 L in 1 CONTAINER		
Marketing Information				
Marketing Category	Application Number or Monograph Citation		Marketing Start Date	Marketing End Date
NADA	NADA141255		01/11/2007	

Labeler - Western Chemical Inc. (085803500)

Registrant - Western Chemical Inc. (085803500)

Establishment			
Name	Address	ID/FEI	Business Operations
Western Chemical Inc.		085803500	analysis, label