



## When Algae/Bacteria Problems Become A Battle

### PART 1

THINK PURITY ALGAECIDE AND ODOR CONTROL SOLUTION  
COMMERCIAL  
CAUTION DANGER  
POISON CORROSIVE  
READ THE LABEL BEFORE USING  
FOR PONDS, DUGOUTS/LAGOONS AND POTABLE WATER TANKS  
GUARANTEE: COPPER PRESENT AS  
COPPER SULFATE PENTAHYDRATE ..... 5.0%  
REGISTRATION NO. 27434 PEST CONTROL PRODUCTS ACT  
NET CONTENTS: 20 LITRES  
LOT NO.:

Axsys Direct Manufacturing.  
4523-97 Street  
Edmonton, Alberta T6E 5Y8  
[www.thinkpurity.com](http://www.thinkpurity.com)

**NOTICE TO USER:** This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

**NATURE OF THE RESTRICTION:** This product must be used only in the manner authorized; consult local pesticide regulatory authorities about use permits that may be required.

**RESTRICTED USES:** Product is to be used for control of algae in municipal water supplies (bodies of water that may be used as a source of potable water before it is purified for drinking purposes). Do not apply or allow discharge to lakes, flowing water or ponds with outflow.

**DIRECTIONS FOR USE:** Apply 1 litre Think Purity Algaecide and Odor Control Solution to 60,000 litres of water for 1 ppm of copper.

### GENERAL INFORMATION

**Commercial Use:** Think Purity Algaecide and Odor Control Solution is an innovative formulation which provides an excellent control of algae in ponds, dugouts, lagoons and potable water storage tanks.

Use Think Purity Algaecide and Odor Control Solution for the control of ammonia and suppression of bacterial Odors in fermenting

substrates, organic waste holding tanks, sewage lagoons, animal manure pits and similar applications.

#### DIRECTIONS FOR USE

Dilution of 1: 60,000 (16 ML per 1,000 litres of water) provide 1 part per million (ppm) of a biologically active form of copper (Cu<sup>++</sup>). Use a copper test kit to determine existing copper level before adding Think Purity Algaecide and Odor Control Solution. Do not exceed 1.0 ppm of copper in drinking water.

Ponds, Lagoons, Dugouts:

Product is to be applied for control of algae in industrial and farm ponds. Apply 1 litre of Think Purity Algaecide and Odor Control Solution to 60,000 - 600,000 litres of water. Water condition and the extent of active micro-organisms present determine the effective application rate. For permanent algae control maintain 0.5 to 1.0 ppm Cu in the water. (Add 1.6 mL of Think Purity Algaecide and Odor Control Solution per 1, 000 litres to increase Cu by 0.1 ppm).

Algaecide for animal drinking water tanks:

Apply 1 litre of Think Purity Algaecide and Odor Control Solution to 60,000 litres of water for prevention of algal bloom. Maintain a minimum of 0.7 ppm of copper<sup>++</sup> in animal drinking water. Precaution Think Purity Algaecide and Odor Control Solution may break up deposits of accumulated waterline impurities which may cause digestive upset in animals. After treatment, flush waterlines with clean water daily for one week or until the water pipes are cleared out completely.

Bacterial odor control in liquid sewage and animal manure pits:

Application rates may vary depending on the amount of organic matter, characteristics of manure or sewage, extent of bacterial activity in the pits, and degree of desired odor reduction. Basic application rate is 1 litre of Think Purity Algaecide and Odor Control Solution in 30,000 litres of sewage. Several pit application points speed up dispersal. Odors should be reduced in a few days. Treat added sewage once a week at 1:30,000 ratio (32 ML per 1,000 litres of water). Treat manure lagoons 2 weeks before spraying on fields to reduce odorous air pollution.

Other organic (fermenting) sludge's:

Think Purity Algaecide and Odor Control Solution must be thoroughly mixed with sludge. Apply at the rate of 1 litre Think Purity Algaecide and Odor Control Solution to 20,000 - 30,000 litres of sludge.

Highly contaminated pits:

Apply 20 ML Think Purity Algaecide and Odor Control Solution to 100 litres of pit content. For best results, treat daily.

#### PRECAUTIONS

DO NOT INGEST. DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT INHALE.

KEEP OUT OF REACH OF CHILDREN. Wash with soap and water after handling. Do not apply or allow discharge to lakes, flowing water or ponds with outflow. Do not apply to areas frequented by wildlife.

#### DISPOSAL:

Dispose of excess Think Purity Algaecide and Odor Control Solution through use. Do not pour into lakes or rivers as this may cause fish kill. Neutralize with sodium bicarbonate or lime.

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

(1) Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.

(2) Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

#### FIRST AID

INHALATION: Remove victim to fresh air. Give artificial respiration if not breathing. Get medical attention.

SKIN: Immediately flush with water for at least 15 minutes while removing contaminated clothing. Wash before reuse. Destroy contaminated shoes. Get medical attention.

EYES: Immediately flush eyes with a lot of running water for at least 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.

INGESTION: Contact a poison control centre and seek medical aid immediately. Never give anything by mouth if victim is rapidly

losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Give copious amounts of water 200-400 mL. DO NOT INDUCE VOMITING.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

#### TOXICOLOGICAL INFORMATION

**INHALATION:** Harmful if inhaled. Concentrated vapor or mist will damage upper respiratory tract and be fatal. Repeated exposure may cause chronic bronchitis or respiratory inflammation.

**SKIN CONTACT :** Can cause irritation or burns. Repeated contact with dilute solutions may cause dermatitis.

**EYE CONTACT:** Contact with eyes may result in permanent visual loss unless removed quickly by irrigation with water.

**INGESTION:** May be fatal if swallowed.

#### STORAGE:

Store in a safe place away from pets and children. Store away from excessive heat. Think Purity Algaecide and Odor Control Solution will freeze, causing separation. Always keep container closed. Store Think Purity Algaecide and Odor Control Solution in its original container only. Do not store Think Purity Algaecide and Odor Control Solution directly on concrete and store above 5\_C.

#### HANDLING EQUIPMENT:

Application or storage equipment MUST consist of either fiberglass, PVC's, polypropylenes, viton, most plastics, aluminum or stainless steel. Never use mild steel, nylon, brass or copper around full strength Think Purity Algaecide and Odor Control Solution.

Always rinse equipment free and clean of Think Purity Algaecide and Odor Control Solution each day with plenty of fresh, clean water. Fabrics containing nylon or cotton will dissolve on contact with full strength of Think Purity Algaecide and Odor Control Solution.

#### ENVIRONMENTAL HAZARDS:

**FISH AND AQUATIC ORGANISMS:** This product is toxic to fish, aquatic invertebrates and plants. Direct application of Think Purity Algaecide and Odor Control Solution to water may cause a significant reduction in populations of aquatic invertebrates, plants and fish. Do not treat more than one-half of a pond or dugout at one time in order to avoid oxygen depletion originating from the decaying of the vegetation. Allow one to two weeks between treatments for the oxygen level to recover.

Trout and other species of fish may be killed at application rates recommended on this label, especially in soft or acid waters. Do not contaminate water when disposing of equipment wash waters. (See disposal instructions.)

**\*CONSULT THE MINISTRY OF ENVIRONMENT BEFORE APPLYING THIS PRODUCT TO PUBLIC WATERS.**

Permits may be required before treating such waters.

#### NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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