

2018-2163  
2018-10-25

F-2054S  
Algicide

Soluble Granules

SOLID MICROBIOCIDAL BACTERICIDE, FUNGICIDE ALGICIDE AND SLIMICIDE,  
FOR USE IN TREATING RECIRCULATING COOLING WATER IN INDUSTRIAL  
COOLING SYSTEMS

ACTIVE INGREDIENT:  
2, 2-Dibromo-3-nitrilopropionamide: 98%

COMMERCIAL  
REGISTRATION No.: 33182 PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN  
DANGER – POISON  
CORROSIVE TO EYES AND SKIN  
POTENTIAL SKIN SENSITIZER

READ THE LABEL BEFORE USING

Net Contents: 2.27-4.54 kg (5-10 lb)

State Industrial Products  
5915 Landerbrook Dr.                      6935 Davand Dr.  
Mayfield Heights, OH                      Mississauga, Ontario L5T 1L5

FOR MEDICAL EMERGENCIES: 1-800-424-9300

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER CORROSIVE TO EYES AND SKIN

POTENTIAL SKIN SENSITIZER

May be harmful or fatal if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Do not inhale vapours or spray mist. Do not breathe the dust. Wear a long-sleeve shirt, long pants, shoes and socks, chemical-resistant gloves, a chemical-resistant apron, and a full-face NIOSH approved respirator when handling. Wear a respirator if the area is not well ventilated and during cleaning, maintenance and repair activities. User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide comes in contact with skin through soaked clothing or spills. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing separate from other laundry prior to reuse. Users should remove protective clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using the product. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. Do not contaminate water by cleaning of equipment, or disposal of wastes. Do not discharge treated water into estuaries, lakes, streams, ponds, or public waters.

## CHEMICAL AND PHYSICAL HAZARDS

Reaction with strong reducing agents may be explosive. Avoid misting.

## FIRST AID:

If in eyes: 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 eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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

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

## TOXICOLOGICAL INFORMATION

Dilution of an ingested corrosive is a safer first aid treatment than emesis. Treat symptomatically.

## WASH THOROUGHLY AFTER HANDLING

### STORAGE:

To maintain product quality store in a dark, cool, dry, well-ventilated area, not above 30°C, rotate and use stock within three months. Store in well-closed original containers, away from energy sources, combustible organic materials and oxidizers. Do not contaminate water, food or feed by storage or disposal.

### DISPOSAL:

1. Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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.

### For SPILLS:

When handling or dealing with spills, use impact-resistant goggles with side shields, or face shield; wear body-covering clothes, including impervious chemical resistant gloves and boots; use a dust respirator if misting occurs. For small spills, recover free product. Cover wet spills with 10% sodium bicarbonate solution, water and then an inert absorbent before sweeping up and disposing as described for pesticide disposal. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area; flood with 10% sodium bicarbonate solution and large volumes of water if necessary.

DO NOT FLUSH INTO SURFACE STREAMS.

INFORM THE PROVINCIAL REGULATORY AUTHORITY OR THE REGISTRANT.

### NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

### DIRECTIONS FOR USE

NOTE: ADD SOLUTIONS OF F-2054S SEPARATELY TO THE SYSTEM. DO NOT MIX THEM WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF F-2054S DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

## INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

This product is for recirculating water systems only. For control of bacterial growths in cooling towers, add solutions of F-2054S to the basin (or at any other point of uniform mixing). Addition should be made with a metering pump or chemical feed dispenser with control release mechanism that accompanies this product's container; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system. Badly fouled systems must be cleaned before treatment is begun.

### INTERMITTENT or SLUG METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add 1.2-2.4 grams of F-2054S /1000 L of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSES:** When microbial control is evident, add 0.6-2.4 grams of F-2054S /1000 L of water in the system every 4 days, or as needed to maintain control.

### CONTINUOUS FEED METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add 1.2-2.4 grams of F-2054S /1000 L of water in the system. Subsequently, maintain this treatment level by pumping a continuous feed of 0.12-1.2 grams of F-2054S /1000 L of water lost by blowdown. Optimum performance with this product is attained by continuous or intermittent treatment. If "slug" treatment is used, the blowdown should be discontinued for 24-48 hours.