

# MATERIAL SAFETY DATA SHEET

Page 1 of 7

## Phycomycin SCP

<b>1. Product And Company Identification</b>	
<b>Supplier</b> Applied Biochemists (WI) A division of Advantis Technologies, Inc. W175 N11163 Stonewood Drive, Suite 234 Germantown, WI 53022  Telephone Number: (262) 255-4449 FAX Number: (262) 255-4268 Web Site: www.appliedbiochemists.com	<b>Manufacturer</b> Advantis Technologies 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States  Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com
<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: ACEAN - DAY OR NIGHT: (800) 654-6911
Issue Date: 05/21/2009  Product Name: Phycomycin SCP Chemical Name: Sodium Carbonate Peroxyhydrate CAS Number: 15630-89-4 MSDS Number: 357  <b>Product/Material Uses</b> Maximum use for potable water is 33 mg/L.	

<b>2. Composition/Information On Ingredients</b>			
Ingredient Name	CAS Number		Percent Of Total Weight
SODIUM CARBONATE	497-19-8		
SODIUM CARBONATE PEROXYHYDRATE	15630-89-4		
SODIUM METASILICATE	6834-92-0		
Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).			

<b>EMERGENCY OVERVIEW</b>
Toxicity effects principally related to its irritating properties. Does not present any significant hazard to the environment. Supports combustion of other substances (oxidizing product).

<b>Hazards Identification (Pictograms)</b>
 

<b>3. Hazards Identification</b>
<b>Primary Routes(s) Of Entry</b> Inhalation, skin, ingestion
<b>Eye Hazards</b> Severe eye irritation, watering, redness; can cause burns to the eyes. Risk of serious or permanent eye lesions.

## Phycomycin SCP

### 3. Hazards Identification - Continued

#### Skin Hazards

Slight irritation.  
In case of repeated contact: risk of dermatitis.

#### Ingestion Hazards

Severe irritation of the mouth, throat, esophagus and stomach.  
Bloating of stomach, belching.  
Nausea and vomiting.

#### Inhalation Hazards

Slight nose and throat irritation.  
At high concentrations, cough.  
In case of repeated or prolonged exposure; risk of sore throat, nosebleeds, and chronic bronchitis.

### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Consult with an ophthalmologist in all cases.

#### Skin

Wash contaminated area with flowing water. Remove contaminated clothing and wash before reuse. Get medical attention immediately in case of persistent pain or redness.

#### Ingestion

Call a physician or a poison control center immediately. DO NOT INDUCE VOMITING. If victim is fully conscious, give one or two cups of water to drink. Never give anything by mouth to an unconscious victim.

#### Inhalation

If inhaled, remove to fresh air. Consult Physician in case of respiratory symptoms.

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

**Flash Point:** NA °F NA °C

**Autoignition Point:** NA °F NA °C

**Flammability Class:** Non-flammable

#### Fire And Explosion Hazards

Oxidizer

#### Extinguishing Media

Large quantities of water, water spray.  
In case of fire in close proximity, all means of extinguishing are acceptable.

#### Fire Fighting Instructions

##### **Specific Hazards:**

-Oxygen released on exothermic decomposition may support combustion in case of surrounding fire.

## Phycomycin SCP

### 5. Fire Fighting Measures - Continued

#### Fire Fighting Instructions - Continued

- Pressure burst may occur due to decomposition in confined spaces/containers.
- Wet product decomposed exothermally and may cause combustion of organic materials.
- Do not spray the dry product with water, except in case of fire.

#### **Protective measures in case of intervention:**

- Evacuate all non-essential personnel.
- Intervention should only be by personnel who are trained and aware of the hazards of the product.

#### **Other Precautions:**

If safe to do so, remove the exposed containers.

### 6. Accidental Release Measures

#### **Precautions:**

- Observe protective measures given in sections 5 and 8.
  - Avoid materials and products which are incompatible with the product (See section 10).
- Avoid direct contact of the product with water.

#### **Cleanup methods:**

- Collect the product with suitable means, shovel, or sweep, avoiding dust formation.
- All receiving equipment should be clean, dry, vented, labeled and made of materials compatible with the product.
- Do not return spilled or contaminated material to inventory.
- In order to avoid the risk of contamination, the recovered product must not be returned to the original container.
- Clean area with large quantities of water.
- For disposal methods, refer to section 13.

#### **Precautions for protection of the environment:**

- Immediately notify the appropriate authorities in case of reportable spill.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

#### Handling Precautions

- Clean and dry process and other piping and equipment before using this product.
- Never return unused product to storage container.
- Keep away from incompatible products.
- Containers and equipment used for the peroxide product should be used exclusively for that product.
- Avoid contact with water or humidity.
- For more information, contact the supplier.

#### Storage Precautions

- Store in a dry area.
- Protect from direct sunlight.
- Store away from heat sources.
- Keep away from incompatible products.
- Store in vented containers.
- Store in temperatures less than 40C (104F).
- Keep in container filled with safety valve or vent.
- Container must be used exclusively for the product.

## Phycomycin SCP

### 7. Handling And Storage - Continued

#### Work/Hygienic Practices

Suitable packaging include: Stainless Steel, PE, Paper and PE, Glass, Passivated Aluminum.

#### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Authorized limit Values	TLV ACGIH-USA (2002)	OSHA PEL
Particulates not otherwise classified (PNOC)	Inhalable 10 mg/m3	Inhalable 15 mg/m3
	TWA	TWA
	Respirable 3 mg/m3	Respirable 5 mg/m3
	TWA	TWA

No specific TLV-STEL (Short Term Exposure Limit) has been set. Excursions in exposure level may exceed 3 times the TLV\_TWA for no more than a total of 30 minutes during a workday and under no circumstances should they exceed 5 times the TLV-TWA.

#### Eye/Face Protection

Wear dustproof goggles.

#### Skin Protection

For brief contact, few precautions other than clean body-covering clothing should be needed. When prolonged or frequently repeated contact could occur, use protective full-body clothing such as PVC or rubber, impervious to this material.

Protective gloves should be made of PVC, neoprene or rubber.

#### Respiratory Protection

For many conditions, no respiratory protection may be needed; however in dusty or unknown atmospheres or when exposures exceed limit values, use NIOSH-approved dust respirator.

#### Other/General Protection

- An eyewash and safety shower should be nearby and ready for use.
- Consult your industrial hygienist or safety manager for the selection of personal protective equipment suitable for the working conditions.

### 9. Physical And Chemical Properties

#### Appearance

Granular solid, White.

#### Odor

None.

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** NA °F

**Boiling Point:** NA °F

**Vapor Pressure:** NA

**pH Factor:** 10.4-10.6 At a Concentration Of 1% Solution

## Phycomycin SCP

### 9. Physical And Chemical Properties - Continued

**Odor - Continued**

**Solubility:** Water: 140 g/l @ 24C (75F)

**Viscosity:** NA

### 10. Stability And Reactivity

**Stability:** Stable under certain conditions of use with slow gas release

**Hazardous Polymerization:** Will not occur

**Conditions To Avoid (Stability)**

- Heat/Sources of heat.
- Moisture.

**Incompatible Materials**

- Water.
- Acids.
- Bases.
- Salts of Metals.
- Reducing agents.
- Organic materials.
- Flammable substances.

**Hazardous Decomposition Products**

Oxygen; Decomposition releases steam and heat.

### 11. Toxicological Information

**Eye Effects**

Rabbit, Severe damage (eyes)

**Skin Effects**

Dermal LD50 lo, rabbit, >2000 mg/kg.

Rabbit, slight irritation (skin).

**Acute Oral Effects**

Oral LD50, rat, 1034 mg/kg.

**Acute Inhalation Effects**

Inhalation LC50, 1 hour, rat, >4580 mg/m3.

### 12. Ecological Information

**Acute Toxicity - Fish And Invertebrates**

Fish, Pimephales promelas; LC50, 70.7 mg/L

Fish, Pimephales promelas; NOEC, 96 hours, 1 mg/L

Crustaceans, Daphnia pulex; EC50, 4.9 mg/L

Crustaceans, Daphnia pulex; NOEC, 48 hours, 1 mg/L

Toxic for aquatic organisms. Nevertheless, hazard for the environment is limited due to product properties:

- No bioaccumulation
- Abiotic degradation
- Low toxicity of degradation products.

### 13. Disposal Considerations

**Waste treatment:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## Phycomycin SCP

### 13. Disposal Considerations - Continued

**Packaging Treatment:**

Container disposal:

-Fiber drums with liners: Completely empty by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then dispose of liner in sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

-Bags/Plastic Pails: Completely empty container into application equipment. Triple rinse pail and offer for recycling or reconditioning. Containers can also be disposed in a sanitary landfill or by incineration if allowed by state and local authorities. If burned, stay out of smoke.

**RCRA Information**

Listed as D001 (Ignitable)

### 14. Transport Information

**Proper Shipping Name**

Oxidizing solid, n.o.s. (sodium carbonate peroxyhydrate)

**Hazard Class**

5.1, PGIII (<= 5 kg Consumer Commodity ORM-D)

**DOT Identification Number**

UN1479

**Additional Shipping Paper Description**

North American Emergency Response Guide No. 140

**DOT (Pictograms)**



### 15. Regulatory Information

**SARA Hazard Classes**

Fire Hazard

**SARA Section 313 Notification**

No

**Canadian Regulatory Information**

WHMIS Classification:

C Oxidizing material.

D2B Poisonous and infectious material - other toxic effects.

<b>NFPA</b>	<b>HMIS</b>								
	<table border="1"> <tr> <td style="background-color: #00BFFF;">HEALTH</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #FF0000;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">X</td> </tr> </table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	X
HEALTH	2								
FLAMMABILITY	0								
REACTIVITY	1								
PERSONAL PROTECTION	X								

### 16. Other Information

**Revision/Preparer Information**

MSDS Preparer: JHW

**Phycomycin SCP****Disclaimer**

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

**Applied Biochemists (WI)**