

Material Safety Data Sheet

EMERGENCY

FOR CHEMICAL EMERGENCY: SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL
CHEMTREC - DAY or NIGHT - (800) 424-9300

Product Name: **Phycomycin SCP**

SECTION I - GENERAL INFORMATION

Manufacturer's Name: Applied Biochemists
A division of Advantis Technologies, Inc.
W175 N11163 Stonewood Dr., Suite 234
Germantown, WI 53022
(262) 255-4449

Chemical Name & Synonyms: Sodium Carbonate Peroxyhydrate
Generic Description: None
Formula: $2\text{Na}_2\text{CO}_3 \cdot 3\text{H}_2\text{O}_2$
D.O.T. Proper Shipping Name: Oxidizing Solid, n.o.s., (sodium carbonate peroxyhydrate)
D.O.T. Hazard Class: 5.1, PGIII
U.N. or N.A. Identification No.: UN1479
Emergency Response Guide No.: 140

Hazardous Mat'ls ID System (HMIS): Health - 2 Flammability - 0 Reactivity - 1 Personal Protection - B
Nat'l Fire Protection Assn. (NFPA 704M): Health - 2 Flammability - 0 Reactivity - 1 Specific Hazard - None

SECTION II - HAZARDOUS INGREDIENTS

<u>Hazardous Component(s)</u>	<u>CAS#</u>	<u>PEL</u>	<u>TLV</u>
Sodium Carbonate Peroxyhydrate	156630-89-4	None	None
Sodium Carbonate	497-19-8	None	None
Sodium Metasilicate	6834-92-0	None	None

Ingredients listed in this section have been determined to be hazardous as defined in 29CFR1910.1200. 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 as provided in 29CFR1910.1200 (i) (1).

SECTION III - PHYSICAL DATA

Boiling Point: N/A Specific Gravity (water = 1): Not determined
Vapor Pressure: N/A % Volatile (by volume): Not determined
Vapor Density (air = 1): Not determined Evaporation Rate: Not determined
Melting Point: N/A pH: 10.4-10.6 (1% sol'n)
Solubility in Water: 140 g/l @ 24C (75F)
Appearance & Odor: White, granular solid, no odor

SECTION IV - FIRE & EXPLOSION DATA

Flash Point: Not applicable Method: Not applicable
Extinguishing Media: Water, water fog, carbon dioxide, or dry chemical.
Special Fire Fighting Procedures: Use personal protective equipment including an approved self-contained breathing apparatus.
Unusual Fire & Explosion Hazards: Oxidizer.

SECTION V - REACTIVITY DATA

Stability - Unstable X Stable
Conditions to Avoid: Heat/Sources of heat and moisture.
Incompatibility (Materials to Avoid): Water, acids, bases, salts of metals, reducing agents, organic materials, flammable substances.
Hazardous Decomposition Products: Oxygen; decomposition releases steam and heat.
Hazardous Polymerization: Will Occur X Will Not Occur

Phycomycin SCP

SECTION VI - HEALTH HAZARD DATA

Acute Health Hazards: Irritating to mucous membranes, eyes, and skin.
Chronic Health Hazards: None known.
Signs & Symptoms of Exposure: Severe eye irritation, watering, redness; can cause burns to the eyes. Risk of serious of permanent eye lesions.
Slight irritation to the skin. In case of repeated contact with skin: risk of dermatitis.
Severe irritation of the mouth, throat, esophagus, and stomach. Bloating of stomach, belching, nausea and vomiting may occur.
Slight nose and throat irritation. At high concentrations, cough. In case of repeated or prolonged exposure; risk of sore throat, nosebleeds, and chronic bronchitis.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency & First Aid Procedures: See appropriate emergency procedures below for principle route of entry. Never give anything by mouth to an unconscious person.

Route of Entry: Inhalation: Remove to fresh air. If symptoms develop and persist, seek medical attention.
Eyes: Flush with large amounts of water for at least 15 minutes. Get immediate medical attention.
Skin: Wash the area with large amounts of water for at least 15 minutes. Remove contaminated clothing. If symptoms develop and persist, seek medical attention.
Ingestion: Seek medical attention immediately. Do not induce vomiting. Administer water.

SECTION VII - SPILL OR LEAK PROCEDURES

Personal Precautions: Wear personal protective equipment appropriate for the situation.
Methods for Cleaning Up: Collect the product with suitable means, shovel, or sweep, avoiding dust formation. Place in a suitable container for disposal. Do not return product to inventory.
Waste Disposal Methods: Dispose of in accordance with methods approved by local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION AND CONTROL MEASURES

Respiratory Protection: Not normally required. If needed, use NIOSH approved respirator.
Ventilation: Not normally required
Gloves: PVC, neoprene, or rubber
Eye Protection: Dustproof goggles
Other Protective Equipment: Shower and eyewash
Work or Hygienic Practices: Use safe chemical handling procedures suitable for the hazards presented by this material.

SECTION IX - SPECIAL PRECAUTIONS

Handling and Storage: Store in a cool (less than 104F), dry place. Avoid contact with water. Store in vented containers.
Other: Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment.
KEEP OUT OF REACH OF CHILDREN

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

Date of Last Revision: 03/28/05 by: JHW