

SAFETY DATA SHEET

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

Applied Biochemists Phycomycin SCP

Version 2.0

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SECTION 1. IDENTIFICATION

Commercial Product Name : Applied Biochemists
Product name : Applied Biochemists Phycomycin SCP

Manufacturer or supplier's details

Company : Innovative Water Care, LLC
1400 Bluegrass Lakes Parkway
Alpharetta, GA
30004

Telephone : 1-800-511-6737 (Outside the USA: 1-423-780-2347)
E-mail address : sds@sigurawater.com
Emergency telephone number : 1-800-654-6911 (Outside the USA: 1-423-780-2970)

Recommended use of the chemical and restrictions on use

Recommended use : Water treatment chemical

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Oxidizing solids : Category 2
Acute toxicity (Oral) : Category 4
Skin irritation : Category 2
Serious eye damage : Category 1

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H272 May intensify fire; oxidizer.
H302 Harmful if swallowed.
H315 Causes skin irritation.

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H318 Causes serious eye damage.

Precautionary statements

: **Prevention:**

Avoid dust formation.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep/ Store away from clothing/ combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical name / Synonyms	CAS-No.	Concentration (% w/w)
Disodium carbonate, compound with hydrogen peroxide (2:3)	15630-89-4	>= 85
Sodium carbonate	497-19-8	<= 10
Disodium metasilicate	6834-92-0	<= 3

SECTION 4. FIRST AID MEASURES

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.

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| In case of skin contact | : | Wash off immediately with plenty of water for at least 15 minutes.
Call a physician if irritation develops or persists. |
| In case of eye contact | : | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Call a physician immediately. |
| If swallowed | : | Clean mouth with water and drink afterwards plenty of water.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.
Get medical advice/ attention if you feel unwell. |
| Most important symptoms and effects, both acute and delayed | : | None known. |
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SECTION 5. FIREFIGHTING MEASURES

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| Suitable extinguishing media | : | Water |
| Further information | : | Use water spray to cool unopened containers. |
| Special protective equipment for firefighters | : | Use personal protective equipment. |
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SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | : | Avoid dust formation.
Wear personal protective equipment. |
| Environmental precautions | : | Do not flush into surface water or sanitary sewer system. |
| Methods and materials for containment and cleaning up | : | Sweep up and shovel into suitable containers for disposal.
Clean contaminated surface thoroughly.
Do not flush into surface water or sanitary sewer system. |
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SECTION 7. HANDLING AND STORAGE

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|---|---|---|
| Advice on protection against fire and explosion | : | Avoid dust formation.
Keep away from heat and sources of ignition. |
| Advice on safe handling | : | Avoid inhalation, ingestion and contact with skin and eyes.
Avoid creating dust.
The Maximum Usage Level (MUL) of this product is 33 mg/L for drinking water use. |

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- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from direct sunlight.
Store away from heat.
- Materials to avoid : Refer to Section 10, "Incompatible Materials."
- Further information on storage stability : No decomposition if stored and applied as directed.
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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).
Use only in area provided with appropriate exhaust ventilation.

Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- Hand protection
Material : Protective gloves
- Eye protection : Tightly fitting safety goggles
- Skin and body protection : Wear suitable protective clothing.
- Hygiene measures : Wash hands before breaks and immediately after handling the product.
Avoid contact with skin, eyes and clothing.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Crystalline powder
- Colour : white
- Odour : odourless

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Odour Threshold	:	no data available
pH	:	10.4 - 10.6 solution
Melting point/freezing point	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	no data available
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	no data available
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Relative density	:	2.16 (68.7 °F / 20.4 °C)
Water solubility	:	no data available
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	no data available
Decomposition temperature	:	> 167 °F / > 75 °C
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Oxidizing properties	:	May intensify fire; oxidizer.

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Keep away from heat and sources of ignition. Avoid dust formation.
Incompatible materials	:	Strong acids and strong bases Oxidizing agents

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Combustible material
 Metals
 Organic materials
 Water

Hazardous decomposition products : No decomposition if used as directed.
 Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity : LD50 (Rat): 1,034 mg/kg
 Method: Calculation method

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
 Method: Calculation method

Skin corrosion/irritation

Assessment: Irritating to skin.

Serious eye damage/eye irritation

Assessment: Corrosive

Respiratory or skin sensitisation

Remarks: Non-sensitizing

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Aspiration toxicity

No aspiration toxicity classification

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential**Components:****Sodium carbonate:**

Partition coefficient: n-octanol/water : Remarks: Not applicable

Mobility in soil

no data available

Other adverse effects

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If this product becomes a waste, it meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001.
As a hazardous solid waste, it must be disposed of in accordance with local, state and federal regulations.

Dispose of contents/container in accordance with local regulation.
Contact waste disposal services.

SECTION 14. TRANSPORT INFORMATION

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DOT

UN number : 3378
Proper shipping name : Sodium carbonate peroxyhydrate
Transport hazard class : 5.1
Packing group : II
Labels : 5.1
Emergency Response Guidebook : 140
Number
Environmental hazards : no

TDG

UN number : 3378
Proper shipping name : SODIUM CARBONATE PEROXYHYDRATE
Transport hazard class : 5.1
Packing group : II
Labels : 5.1
Environmental hazards : no

IATA

UN number : 3378
Proper shipping name : Sodium carbonate peroxyhydrate
Transport hazard class : 5.1
Packing group : II
Labels : 5.1
Environmental hazards : no

IMDG

UN number : 3378
Proper shipping name : Sodium carbonate peroxyhydrate
Transport hazard class : 5.1
Packing group : II
Labels : 5.1
EmS Number 1 : F-A
EmS Number 2 : S-Q
Environmental hazards : Marine pollutant: no

ADR

UN number : 3378
Proper shipping name : SODIUM CARBONATE PEROXYHYDRATE
Transport hazard class : 5.1
Packing group : II
Classification Code : O2
Hazard Identification Number : 50
Labels : 5.1
Environmental hazards : no

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RID

UN number : 3378
Proper shipping name : SODIUM CARBONATE PEROXYHYDRATE
Transport hazard class : 5.1
Packing group : II
Classification Code : O2
Hazard Identification Number : 50
Labels : 5.1
Environmental hazards : no

Special precautions for user : none

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

EPA Registration number : 8959-60
Signal word : DANGER!
Hazard statements : Corrosive - causes irreversible eye damage.
Causes skin irritation.
Harmful if swallowed.
Harmful if inhaled.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act



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This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Components	CAS-No.
Disodium carbonate, compound with hydrogen peroxide (2:3)	15630-89-4
Sodium carbonate	497-19-8
Disodium metasilicate	6834-92-0

New Jersey Right To Know

Components	CAS-No.
Disodium carbonate, compound with hydrogen peroxide (2:3)	15630-89-4
Sodium carbonate	497-19-8
Disodium metasilicate	6834-92-0

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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Canadian lists

NPRI

Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); EC_x - Concentration associated with x% response; EHS - Extremely Hazardous Substance; EL_x - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErC_x - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC₅₀ - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC₅₀ - Lethal Concentration to 50 % of a test population; LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Date format : yyyy/mm/dd

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