

Western Sugar Cooperative Scotsbluff  
44141  
NE0111686

Anderson, Reuel

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**From:** Anderson, Reuel  
**Sent:** Wednesday, June 27, 2018 12:11 PM  
**To:** Josh Livingston; Ducey, Patrick; Flint, John; Aanerud, Alan; O'Connor, Tom; Schneider, Shelley  
**Cc:** Jeff Kava; Matthew Maybee; Tracy Bentley; Chuck E. Gibbs; Hope Dibble (Hope@awws.org); Sean Dibble (Sean@awws.org)  
**Subject:** RE: Western Sugar Cooperative, Scotsbluff, NE facility ID 44141

Josh,

The NPDES Permits and Compliance Section does not object to the use of the products as described. Please review the NPDES Pesticides General Permit available on our website:

<http://deg.ne.gov/publica.nsf/PubsForm.xsp?documentId=10FD05B45D9F22ED86257D1E006C30D2&action=openDocument>

Be sure to document the application of the algaecide accordingly. The odor control product does not fall under the same restrictions but I recommend documenting the use. Please do not hesitate to contact me with any questions you may have.

Sincerely,

Reuel S. Anderson, Section Supervisor  
NPDES Permits and Compliance  
Department of Environmental Quality  
402-471-1367  
[reuel.anderson@nebraska.gov](mailto:reuel.anderson@nebraska.gov)

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**From:** Josh Livingston <jlivingston@westernsugar.com>  
**Sent:** Wednesday, June 27, 2018 8:02 AM  
**To:** Anderson, Reuel <reuel.anderson@nebraska.gov>; Ducey, Patrick <patrick.ducey@nebraska.gov>; Flint, John <john.flint@nebraska.gov>; Aanerud, Alan <alan.aanerud@nebraska.gov>  
**Cc:** Jeff Kava <jkava@westernsugar.com>; Matthew Maybee <mmaybee@westernsugar.com>; Tracy Bentley <tbentley@westernsugar.com>; Chuck E. Gibbs <cegibbs@westernsugar.com>; Hope Dibble (Hope@awws.org) <Hope@awws.org>; Sean Dibble (Sean@awws.org) <Sean@awws.org>; Josh Livingston <jlivingston@westernsugar.com>  
**Subject:** RE: Western Sugar Cooperative, Scotsbluff, NE facility ID 44141

Hi Reuel,

Following up from our conversation last night Yes, as stated in Section 15 of the attached SDS this product is registered with EPA as a pesticide, the EPA Reg. No. # 68660-9-895.



**Western Sugar Cooperative Scotsbluff  
44141  
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WSC will be able to fully control the application and confinement of the Phycomycin within the Condenser pond per the recommended retention and consumption times prior to any discharge through WSC UV station and final outfall discharge at the Platte River.

Please let us know if you need anything else?

Josh

**Josh Livingston**  
Western Sugar Cooperative  
7555 East Hampden Ave. Suite 520  
Denver, CO 80231  
O (303) 813-3576  
C (303) 253-2287  
[www.westernsugar.com](http://www.westernsugar.com)

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**From:** Anderson, Reuel [<mailto:reuel.anderson@nebraska.gov>]  
**Sent:** Tuesday, June 26, 2018 12:34 PM  
**To:** Josh Livingston <[jlivingston@westernsugar.com](mailto:jlivingston@westernsugar.com)>; Ducey, Patrick <[patrick.ducey@nebraska.gov](mailto:patrick.ducey@nebraska.gov)>; Flint, John <[john.flint@nebraska.gov](mailto:john.flint@nebraska.gov)>; Aanerud, Alan <[alan.aanerud@nebraska.gov](mailto:alan.aanerud@nebraska.gov)>  
**Cc:** Jeff Kava <[jkava@westernsugar.com](mailto:jkava@westernsugar.com)>; Matthew Maybee <[mmaybee@westernsugar.com](mailto:mmaybee@westernsugar.com)>; Tracy Bentley <[tbentley@westernsugar.com](mailto:tbentley@westernsugar.com)>; Chuck E. Gibbs <[cegibbs@westernsugar.com](mailto:cegibbs@westernsugar.com)>; Hope Dibble ([Hope@awws.org](mailto:Hope@awws.org)) <[Hope@awws.org](mailto:Hope@awws.org)>; Sean Dibble ([Sean@awws.org](mailto:Sean@awws.org)) <[Sean@awws.org](mailto:Sean@awws.org)>  
**Subject:** RE: Western Sugar Cooperative, Scottsbluff, NE facility ID 44141

Josh,

Is the algaecide a registered pesticide?

Sincerely,

Reuel S. Anderson, Section Supervisor  
NPDES Permits and Compliance  
Department of Environmental Quality  
402-471-1367  
[reuel.anderson@nebraska.gov](mailto:reuel.anderson@nebraska.gov)

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**From:** Josh Livingston <[jlivingston@westernsugar.com](mailto:jlivingston@westernsugar.com)>  
**Sent:** Monday, June 25, 2018 6:20 PM  
**To:** Anderson, Reuel <[reuel.anderson@nebraska.gov](mailto:reuel.anderson@nebraska.gov)>; Ducey, Patrick <[patrick.ducey@nebraska.gov](mailto:patrick.ducey@nebraska.gov)>; Flint, John <[john.flint@nebraska.gov](mailto:john.flint@nebraska.gov)>  
**Cc:** Jeff Kava <[jkava@westernsugar.com](mailto:jkava@westernsugar.com)>; Matthew Maybee <[mmaybee@westernsugar.com](mailto:mmaybee@westernsugar.com)>; Josh Livingston <[jlivingston@westernsugar.com](mailto:jlivingston@westernsugar.com)>; Tracy Bentley <[tbentley@westernsugar.com](mailto:tbentley@westernsugar.com)>; Chuck E. Gibbs <[cegibbs@westernsugar.com](mailto:cegibbs@westernsugar.com)>; Hope Dibble ([Hope@awws.org](mailto:Hope@awws.org)) <[Hope@awws.org](mailto:Hope@awws.org)>; Sean Dibble ([Sean@awws.org](mailto:Sean@awws.org)) <[Sean@awws.org](mailto:Sean@awws.org)>

**Western Sugar Cooperative Scotsbluff**

**44141**

**NE0111686**

**Subject:** Western Sugar Cooperative, Scotsbluff, NE facility ID 44141

**Importance:** High

Hi Reuel,

As a follow-up from Western Sugar Cooperative's (WSC) conference call with John Flint this past Thursday, it was discussed that WSC should add additional information concerning WSC request to trial Interlox® Food Grade 34% Hydrogen Peroxide and Phycomycin for algae and odor control at the Scotsbluff, NE facility.

Please note the original signed request has been sent to Reuel's attention.

Western Sugar Cooperative looks forward to reviewing this with the NDEQ and appreciates the NDEQ's expedited response.

Please let us know if you are available this week to discuss additional if needed?

Thank you

Josh

**Josh Livingston**

Western Sugar Cooperative

7555 East Hampden Ave. Suite 520

Denver, CO 80231

O (303) 813-3576

C (303) 253-2287

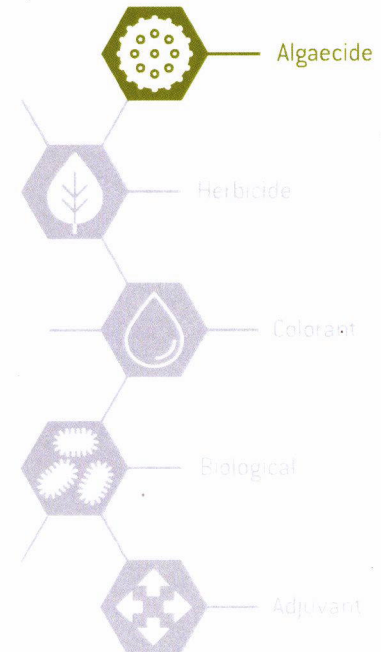
[www.westernsugar.com](http://www.westernsugar.com)

# Phycomycin® SCP Algaecide and Oxidizer

## Non-copper algaecide



Phycomycin® SCP Algaecide and Oxidizer controls cyanobacteria (blue-green algae). Also proven effective on green algae and diatoms.



### Advantages

- Controls the cyanobacteria that causes taste and odor in drinking water
- Rapid acting non-copper algaecide
- Granules provide targeted delivery to benthic cyanobacteria
- Low toxicity to fish, aquatic invertebrates and other non-target organisms
- Certified to ANSI-NSF 60 for drinking water

### Application

- Apply by broadcasting or mechanical spreader. Product rapidly dissociates to sodium carbonate and hydrogen peroxide molecules within minutes.



## Water Use Restrictions

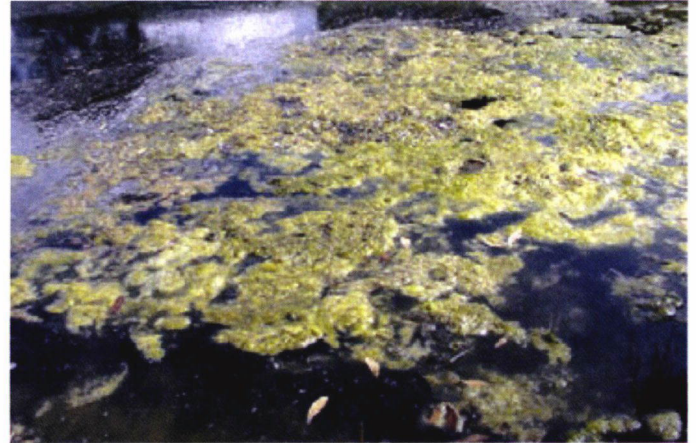
Waters treated with this product may be used for swimming, fishing, further potable water treatment, livestock watering or irrigating turf, ornamental plants or crops after treatment. When applying this product to water bodies, avoid solid particles from falling on nearby ground where birds and feed may be present. Undissolved particles of sodium carbonate peroxyhydrate may be corrosive to beaks of birds.

## Specifications

Active Ingredient(s)	85% Sodium Carbonate Peroxyhydrate
Appearance	Fine White Granules
Dosing	3 - 100 lb./acre-ft

## Packaging

SKU Number	Unit Size	Case Count	Case Weight (lb.)	Pallet Count	Pallet Weight (lb.)
395550A	50 lbs	1	52	40	2127



For use in: lakes, ponds and drinking water reservoirs; irrigation, drainage and conveyance ditches, canals, laterals; estuaries, bayous, lagoons; water gardens and water features; impounded water and waste water; and aquaculture.



Accurately targets cyanobacteria, which can cause the water to have an unpleasant odor and taste, while minimizing the impact on non-problematic species.

**Lonza Water Treatment is a leader in specialty chemicals. For over 45 years, Applied Biochemists® products have improved the recreational and functional value of water in many use sites.**



The Maximum Usage Level (MUL) of this product is 33 mg/L for drinking water use.

Lonza Water Treatment  
1200 Bluegrass Lakes Pkwy  
Alpharetta, GA 30004  
Tel (800) 558-5106

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AB-395550A-SS

[www.lonza.com](http://www.lonza.com)

[www.appliedbiochemists.com](http://www.appliedbiochemists.com)

FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL:

1-800-654-6911 (OUTSIDE  
USA: 1-423-780-2970)

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®:

1-800-424-9300 (OUTSIDE  
USA: 1-703-527-3887)

FOR ALL SDS QUESTIONS & REQUESTS, CALL:

1-800-511-MSDS (OUTSIDE  
USA: 1-423-780-2347)

PRODUCT NAME: **AB PHYCOMYCIN SCP**

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Supplier

Applied Biochemists (WI)  
1400 Bluegrass Lakes Pkwy ,  
Alpharetta, GA, 30004  
USA

Telephone: +18005585106

Telefax: +12626741786

Web: [www.appliedbiochemists.com](http://www.appliedbiochemists.com)

REVISION DATE: 07/06/2016

SUPERCEDES: 02/18/2016

MSDS Number: 000000024551

SYNONYMS:

CHEMICAL FAMILY: None

DESCRIPTION / USE: None established

FORMULA: None established

### Manufacturer

Advantis Technologies  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA 30004  
United States of America (USA)

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification


Oxidizing solids : Category 3  
Corrosive to metals : Category 1  
Acute toxicity (Oral) : Category 4  
Skin irritation : Category 2  
Eye irritation : Category 2A

### GHS label elements

AB PHYCOMYCIN SCP

REVISION DATE : 07/06/2016

Page 1 of 10

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H272 May intensify fire; oxidizer. H290 May be corrosive to metals. H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statements	:	<b>Prevention:</b> P210 Keep away from heat. P220 Keep/Store away from clothing/ combustible materials. P221 Take any precaution to avoid mixing with combustibles. P234 Keep only in original container. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ eye protection/ face protection. <b>Response:</b> 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 soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P390 Absorb spillage to prevent material damage. <b>Storage:</b> P406 Store in corrosive resistant stainless steel container with a resistant inner liner. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
Sodium Percarbonate	15630-89-4	80 - 90

Sodium carbonate	497-19-8	10 - 16
sodium silicate	1344-09-8	1 - 3

## SECTION 4. FIRST AID MEASURES

General Advice:	Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Inhalation:	IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Skin Contact:	IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Eye Contact:	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 center or doctor for treatment advice.
Ingestion:	IF SWALLOWED: Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

## SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): Product is not known to be flammable, combustible, pyrophoric or explosive.

### Flammable Properties

Flash Point:	no data available
Autoignition Temperature:	no data available
Fire / Explosion Hazards:	May intensify fire; oxidizer.
Extinguishing Media:	Water spray
Fire Fighting Instructions:	Use water spray to cool unopened containers. In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.
Upper Flammable / Explosive Limit, % in air:	no data available
Lower Flammable / Explosive Limit, % in air:	no data available



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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

### Spill Mitigation Procedures

Air Release: Keep people away from and upwind of spill/leak.  
Water Release: If the product contaminates rivers and lakes or drains inform respective authorities.  
Land Release: Sweep up and shovel into suitable containers for disposal. Avoid creating dust.  
Additional Spill Information : Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Evacuate personnel to safe areas.

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## SECTION 7. HANDLING AND STORAGE

Handling: Do not take internally. Avoid contact with skin, eyes and clothing. If in eyes or on skin, rinse well with water. Avoid breathing dust. The Maximum Usage Level (MUL) of this product is 33 mg/L for drinking water use.

Storage: Store in a cool dry ventilated location, away from sources of ignition or other incompatible conditions and chemicals. Keep container(s) closed.

Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation is recommended if vapors, mists or aerosols are generated. Otherwise, use general exhaust ventilation. No exposure limits exist for the constituents of this product.

### Protective Equipment for Routine Use of Product

Respiratory Protection : Respiratory protection not normally needed., If vapors, mists or aerosols are generated, wear a NIOSH approved respirator.

Skin Protection : Avoid contact with skin. Impervious gloves

Eye Protection: Chemical resistant goggles must be worn.

Protective Clothing Type: Impervious clothing

General Protective Measures: Ensure that eyewash stations and safety showers are close to the workstation location.

### **Components with workplace control parameters**

no data available

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State:	solid
Form	granular
Color:	no data available
Odor:	no data available
Molecular Weight:	None established
pH :	10.4 - 10.6 ( ) 10 g/l (as aqueous solution)
Boiling Point:	Not applicable
Melting point/freezing point	no data available
Bulk Density:	( ) no data available
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Viscosity:	Not applicable
Solubility in Water:	140 g/l 75 °F (24 °C)
Partition coefficient n-octanol/water:	no data available
Evaporation Rate:	Not applicable
Oxidizing:	None established
Volatiles, % by vol.:	no data available
VOC Content	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.
HAP Content	no data available

**SECTION 10. STABILITY AND REACTIVITY**

Stability and Reactivity Summary:	Stable under normal conditions.
Conditions to Avoid:	Heat, Exposure to moist air or water
Chemical Incompatibility:	Water, Acids, Bases, Reducing agents, Organic materials, Flammable materials, metal salts
Hazardous Decomposition Products:	Oxygen, Steam and heat
Decomposition Temperature:	No data

**SECTION 11. TOXICOLOGICAL INFORMATION**Component Animal ToxicologyOral LD50 value:

Sodium Percarbonate	LD50 = 2,400 mg/kg	Rat
	LD50 = 1,034 mg/kg	Rat

Sodium carbonate LD50 = 4,090 mg/kg Rat  
 sodium silicate LD50 = 1,960 mg/kg Rat

Component Animal Toxicology

Dermal LD50 value:

Sodium Percarbonate LD50 > 2,000 mg/kg Rabbit  
 Sodium carbonate LD50 Believed to be > 2,000 mg/kg Rabbit  
 sodium silicate LD50 > 4,640 mg/kg Rabbit

Component Animal Toxicology

Inhalation LC50 value:

Sodium Percarbonate no data available  
 Sodium carbonate LC50 1 h = 4.6 mg/l Rat  
 sodium silicate no data available

Product Animal Toxicity

Oral LD50 value: Believed to be approximately 1,158 mg/kg

Dermal LD50 value: No data.

Inhalation LC50

value:

Skin Irritation: Moderate skin irritation

Eye Irritation: Severe eye irritation

Skin Sensitization: Not believed to be sensitising to skin.

Sodium Percarbonate This material tested negative for skin sensitization in animals.

Subchronic / Chronic Toxicity: There are no known or reported effects from chronic exposure.

Sodium carbonate Male rats were exposed to an aerosol of 2% aqueous solution of this chemical, 4 hr.day, 5 days/week for 3-1/2 months. No effect was observed at a concentration of 10 or 20 mg/cubic meter. At 70 mg/cubic meter weight gain was decreased and the lungs showed thickening of the intra-alveolar walls, hyperemia, and lymphoid infiltration., Repeated or prolonged skin contact with this product may cause dermatitis and blistering.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

Sodium carbonate This chemical has been tested in laboratory animals and no evidence of teratogenicity was seen.

Mutagenicity: Not known or reported to be mutagenic.

Sodium carbonate

This product was determined to be non-mutagenic in the Ames assay. It was also shown to be non-clastogenic in the chromosomal aberration test.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

**SECTION 12. ECOLOGICAL INFORMATION**

Overview: This material is not expected to be harmful to aquatic life., Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.

Ecological Toxicity Values for: Sodium carbonate

- Pimephales promelas (fathead minnow) - (nominal, static). 96 h LC50 < 850 mg/l
- Bluegill - (nominal, static). 96 h LC50 = 320 mg/l
- Mosquito fish - (nominal, static). 96 h LC50 = 740 mg/l
- Daphnia magna, - (nominal, static). 48 h LC50= 265 mg/l
- Ceriodaphnia dubia - (nominal) 48 h EC50= 199.82 mg/l
- Navicula seminulum (diatom) - (nominal, static). 96 h EC50 = 242 mg/l

Ecological Toxicity Values for: sodium silicate

- Gambusia affinis (Mosquito fish) - static test 96 h LC50 = 1,800 - 2,320 mg/l
- Lepomis macrochirus (Bluegill sunfish) - 96 h LC50 = 301 - 478 mg/l
- Fish, fresh water (brachydaniorerio) - semi-static test 96 h LC50 = 3,185 mg/l
- Daphnia magna (Water flea) - static test 48 h LC50= 494 mg/l
- Ceriodaphnia dubia - 48 h EC50= 33.53 mg/l

**SECTION 13. DISPOSAL CONSIDERATIONS**

**CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.**

Waste Disposal Summary : 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.

Disposal Methods :

As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

### DOT

UN number : 3378  
 Description of the goods : Sodium carbonate peroxyhydrate  
 Class : 5.1  
 Packing group : III  
 Labels : 5.1  
 Emergency Response : 140  
 Guidebook Number

### IATA

UN number : 3378  
 Description of the goods : Sodium carbonate peroxyhydrate  
 Class : 5.1  
 Packing group : III  
 Labels : 5.1  
 Packing instruction (cargo aircraft) : 563  
 Packing instruction (passenger aircraft) : 559  
 Packing instruction (passenger aircraft) : Y546

### IMDG-CODE

UN number : 3378  
 Description of the goods : SODIUM CARBONATE PEROXYHYDRATE  
 Class : 5.1  
 Packing group : III  
 Labels : 5.1  
 EmS Number 1 : F-A  
 EmS Number 2 : S-Q

## 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.**

Signal word : DANGER!

Hazard statements : Harmful if swallowed.  
Harmful if inhaled.  
Corrosive. Causes skin burns.  
Corrosive. Causes irreversible eye damage.  
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**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 302**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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**

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 Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

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 Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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**

Sodium carbonate 497-19-8

**New Jersey Right To Know**

Sodium carbonate 497-19-8  
Silicic acid, sodium salt 1344-09-8

**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.

**The components of this product are reported in the following inventories:**

TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**SECTION 16. OTHER INFORMATION**

SECTIONS REVISED: 3  
Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .