

SAFETY DATA SHEET

Section 1. IDENTIFICATION

Product Name: LR 85 SP Algaecide/Fungicide Granules

Synonyms: Cape Furl

Socar Hydrate

Bio Jib

Recommended use: Algaecide/Fungicide.

Restrictions on use: Use only as directed

Manufactured For: Lake Restoration
12425 Ironwood Circle
Rogers, MN 55374

For product information, call .

Emergency phone number: 1-800-222-1222

Section 2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health	Environmental
Not Hazardous	Eye Damage Category 1	Not Hazardous

Label Elements:

Danger!



Causes serious eye damage.

Wear protective gloves and eye protection.

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 or doctor.

Dispose of contents and container in accordance with local, state, and federal regulations.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Sodium carbonate peroxyhydrate	15630-89-4	42.5%
Non-hazardous ingredients	Mixture	57.7%

Section 4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If irritation occurs or breathing is difficult, get medical attention.

Skin contact: Wash with soap and water. If irritation develops and persists, get medical attention.

Eye contact: Immediately flush eyes with water for 20 minutes while lifting the upper and lower lids. Remove contact lenses if present and easy to do so. Continue rinsing. Get immediate medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms develop.

Most important symptoms/effects, acute and delayed: Causes severe eye irritation with possible eye damage. Contact with dust may cause mechanical skin irritation. Inhalation of dust may cause irritation of the nose, throat and upper respiratory irritation. May be harmful if swallowed.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required for eye contact.

Section 5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use water or water spray.

Specific hazards arising from the chemical: May act as an oxidizer: may intensify fire. Contact with flammable or combustible materials may cause a fire or explosion.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Powders that become wet may cause surfaces to be extremely slippery and cause a slip hazard.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment, see section 8 of the SDS for further information. Avoid generating air-borne dust. Prevent contact with flammable or combustible materials including clothing.

Environmental hazards: Report spill as required by local and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System permit and the permitting authority has been notified in writing prior to discharge.

Methods and materials for containment and cleaning up: In case of spill, flood area with large quantities of water. Scoop or shovel up thoroughly wetted material and place into a closable, labeled container for disposal. Wash spill area with water.

Section 7. HANDLING AND STORAGE

Precautions for safe handling: Avoid generating or breathing dust. Prevent contact with eyes. Avoid prolonged contact with skin. Use with adequate ventilation. User must wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash thoroughly after handling. Keep containers closed when

not in use. Minimize the generation and accumulation of dust. Prevent contact with flammable or combustible materials including clothing. If clothing becomes contaminated, it must be immediately rinsed with large amounts of water before discarding or reuse.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well-ventilated area. Protect storage container from physical damage. Keep containers closed when not in use. Store away from other oxidizers and combustible materials. Do not store on wooden floors. Do not allow the product to become overheated in storage.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Sodium carbonate peroxyhydrate	5 mg/m ³ TWA Manufacturer Recommendation
Non-hazardous ingredients	None Established

Appropriate engineering controls: If use generates dust, use general ventilation or local exhaust as required to maintain exposures below the occupational exposure limits.

Individual protection measures, such as personal protective equipment:

User must remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Refer to EPA label for other PPE requirements.

Respiratory protection: In operations where the occupational exposure limits are exceeded, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin protection: Impervious gloves are recommended to prevent prolonged skin contact.

Eye/face protection: Chemical safety goggles or dust goggles are recommended.

Other: Appropriate protective clothing as needed to minimize skin contact. Suitable washing facilities should be available in the work area. Dispose of contaminated clothing in a manner that minimizes contamination of other materials. Contaminated clothing must be rinsed in large amounts of water before disposal or reuse.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder.

Odor: Odorless

Odor threshold: Not applicable	pH: 10.4-10.6 (10.1 g/L)
Melting point/freezing point: Not determined	Boiling point: Not applicable
Flash point: Not applicable	Evaporation rate: Not applicable
Flammability (solid, gas): Combustible dust	Bulk Density: 950-1200 kg/m ³
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Not applicable	Vapor Density (air =1): Not applicable
Relative density: Not determined	Solubility in Water: 150 g/L

Partition coefficient: n-octanol/water: Not applicable	Auto-ignition temperature: Not applicable
Decomposition temperature: Not applicable	Viscosity: Not applicable
SADT: >131°F (>55°C)	

Section 10. STABILITY AND REACTIVITY

Reactivity: Not expected to be reactive.

Chemical stability: Decomposes when moist and on heating.

Possibility of hazardous reactions: Oxidizer. Contact with combustible material may cause fire. Risk of explosion if heated under confinement or when in contact with flammable materials.

Conditions to avoid: Keep away from heat, sparks, flames and other sources of ignition. Avoid exposure to moisture.

Incompatible materials: Water, acids, bases, heavy metal salts, reducing agents, flammable and combustible materials.

Hazardous decomposition products: Thermal decomposition may produce oxygen.

Section 11. TOXICOLOGICAL INFORMATION

Inhalation: High concentrations of dust may cause nose, throat, and upper respiratory tract irritation.

Ingestion: Swallowing may cause mouth, throat, and gastrointestinal irritation with nausea and vomiting. May be harmful if swallowed.

Skin contact: Contact with dust may cause skin irritation.

Eye contact: Dust may cause severe irritation with redness and tearing. May cause permanent eye damage.

Chronic effects: None known.

Reproductive Toxicity: None known.

Mutagenicity: None of the components have been shown to cause mutagenic activity.

Carcinogenicity: None of the ingredients are listed as a carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values:

Product: Calculated ATE_{mix}: Oral LD50 >2,000 mg/kg; Dermal LD50 >2,000 mg/kg

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Product: Calculated ATE_{mix}: Fish LC50 140 mg/L; Daphnia EC50 9.8 mg/L

This pesticide is toxic to birds. This product is not intended for use in drinking water. 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. Do not contaminated water when cleaning equipment of disposing of equipment washwater or rinsate.

Persistence and degradability: Hydrolyzes.

Bioaccumulative potential: No data available.

Mobility in soil: Not data available.

Other adverse effects: Not data available.

Section 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. Pesticide wastes may be 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 directions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA regional Office for guidance.

Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

Section 14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated	None	None	No
TDG	None	Not Regulated	None	None	No
IMDG	None	Not Regulated	None	None	No
IATA	None	Not Regulated	None	None	No

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

Special precautions: None known.

Section 15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Hazards to Humans and Domestic Animals

DANGER: Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or shielded safety glasses.) Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing dust. Wash thoroughly with soap and water immediately after handling. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE):

Applicators and handlers must wear:

Protective eyewear (goggles, face shield or shielded safety glasses)
 Coveralls over long-sleeved shirt and long pants
 Chemical -resistant footwear plus socks
 Chemical resistant gloves

CERCLA: This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Refer to Section 2 for OSHA Hazard Classification.

SARA 313 This product does not contain any Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372).

EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

Section 16. OTHER INFORMATION

NFPA Rating: Health = 3	Flammability = 0	Instability = 1	Special = OX
HMIS Rating: Health = 3	Flammability = 0	Physical Hazard = 1	

SDS Revision History: Updated classification and transport.

Date of preparation: December 29, 2021

Date of last revision: December 11, 2020

NOTICE: The information that Lake Restoration (the “Company”) has presented here was prepared in accordance with governmental regulations, is based upon data the Company believes to be accurate as of the date of this version, applies solely to the specific product designated and may not be accurate if such product is used with any other product. THE COMPANY MAKES NO WARRANTIES OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR COURSE OF PERFORMANCE OR USAGE OF TRADE. The party purchasing, using or applying the product is responsible for determining its suitability for such party’s particular use or purpose, and such party assumes all risks with respect to handling, transferring, transporting, storing, applying or otherwise using the product (“Assumed Risks”), many of which are within the exclusive control of such party. THE COMPANY HEREBY DISCLAIMS ANY AND ALL LIABILITY FOR ANY AND ALL ASSUMED RISKS. Such party is solely responsible for complying with all applicable federal, state and local laws and regulations (collectively, the “Applicable Laws”) governing the handling, transfer, transportation, storage, application and use of the product. Before handling, transferring, transporting, storing, applying or otherwise using the product, such party should thoroughly review all Applicable Laws.