

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION

Product Name: **GreenClean Greenhouse Cleaner**

Product Type: Horticultural Cleaner

Manufacturer: BioSafe Systems 36 Commerce St Glastonbury, CT

## 2. Components

Sodium Carbonate Peroxhydrate CAS 15630-89-4

Sodium Carbonate CAS 497-19-8

## 3. Health Hazards Data:

Skin: May cause slight irritation

Eyes: May cause severe eye irritation

Ingestion: Severe irritation of the mouth, throat, esophagus and stomach

If inhaled: Slight nose and throat irritation

## 4. First Aid

Eyes: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye. Call a physician immediately.

Skin: Immediately flush skin with plenty of cool, running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

If swallowed: Rinse mouth at once; then drink 1 or 2 large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.

If Inhaled: Immediately move a person to fresh air and let the person blow their nose.

## 5. Fire and Explosion Data

Special fire hazards: Oxidizing substance that causes exothermic reactions with organic materials.

Fire fighting methods: Product is not flammable and can be quickly diluted with clean water

Specific Hazards: Reacts with oxidizing substances – decomposition may support combustion

## 6. Spill or Leak Procedures

Cleanup: Collect the product with suitable means, shovel, and sweep, avoiding dust formation.

Waste Disposal: Do not return spilled or contaminated material to inventory.

Clean the area with large quantities of clean, cold water.

## 7. Handling and Storage

• Never return product back to the original container • Keep concentrate away from reactive substances  
• Prevent contact with organic materials • Keep product in original container • Store in cool, dry area •  
Keep out of direct sunlight

#### **8. Exposure Controls / Personal Protection**

Respiratory: For most conditions, no respiratory protection should be needed.

Eyes: Use dust proof chemical goggles

Skins: Robber gloves – For brief contact, no precautions needed prolonged contact, use chemical gloves.

#### **9. Physical and Chemical Properties**

Appearance: White, granular, solid

Odor: None

Bulk Density: 0.35 – 0.65 g/cm<sup>3</sup>

Solubility: 140 g/L @ 24 C (75 F)

pH: 1 % solution: 10.4 – 10.6

#### **10. Stability and Reactivity**

Stability: Stable under normal conditions

Materials to avoid: • Acids • Bases • Reducing Agents • Organic Materials

#### **11. Toxicological Information:**

Acute Toxicity.

- Dermal = LD rabbit > 2000 mg/kg
- Inhalation = LC 0 1 hour rat > 4580 mg /m
- Oral = LD 50 rat 1034 mg /kg

#### **12. Ecological Information**

Toxic to simple cell organisms

Danger to the environment limited; due to product properties.

- No bioaccumulation
- Considerable abiotic and biotic degradability
- Weak persistence of degradation products
- Soil degradation = 99% in 20 minutes
- Sediments = Non-significant adsorption
- Degradation products = sodium carbonate, carbon dioxide, bicarbonate carbonate, hydrogen dioxide.

#### **13. Disposal Considerations**

Packing Treatment: Rinse empty containers with clean water. Clean and empty containers are to be recycled or disposed on accordance with local regulations.

#### **14. Transport Information**

D.O.T. Shipping Name: Not regulated

UN Number: None

Hazard Class: None

Primary Hazard Label: None

Subsidiary Risk Label: None

Packing Group: None

WHMIS Classification: C oxidizing material

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