

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Concrobium® Mold Stain Remover  
**Material Number**  
**Chemical nature** Enzyme Preparation.  
**Formula** Not applicable.  
**Synonyms** Not applicable.  
**Recommended Use** Commercial and Industrial  
**Company/undertaking identification:** Siamons International Inc.  
36 Meteor Drive  
Toronto, Ontario  
M9W 1A4  
**E-mail Address** customerserviceus@concrobium.com  
**Telephone:** (866) 906-4009

## 2. HAZARDS IDENTIFICATION

**Potential Health Effects:** Inhalation of enzyme mist/dust may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure.

**Eyes** May cause severe eye irritation.  
**Skin** May cause slight irritation.  
**Inhalation:** May cause slight irritation.  
**Ingestion** Not expected to be toxic by ingestion.

**Aggravated Medical Conditions** Atopy. Asthma.

**Environmental Hazard** See Section 12 for additional Ecological Information.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Description** Enzyme Preparation.

| Chemical Name              | CAS-No     | %     | OSHA       | ACGIH      |
|----------------------------|------------|-------|------------|------------|
| Arylesterase               | 9032-73-9  | <1    | Not Listed | Not Listed |
| Propylene Glycol Diacetate | 623-84-7   | 48-52 | Not Listed | Not Listed |
| Sodium percarbonate        | 15630-89-4 | 47-51 | Not Listed | Not Listed |

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## 4. FIRST AID MEASURES

|                           |                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>        | Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists. |
| <b>Skin Contact</b>       | Flush skin with large amounts of water. If irritation develops and persists, get medical attention.      |
| <b>Inhalation</b>         | Remove person to fresh air. If signs/symptoms continue, get medical attention.                           |
| <b>Ingestion</b>          | Rinse mouth with water. Get medical attention immediately if symptoms occur.                             |
| <b>Notes to Physician</b> | May cause allergic respiratory reaction.                                                                 |

## 5. FIRE-FIGHTING MEASURES

|                                                              |                                                                                   |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Flammable Properties</b>                                  | Not flammable.                                                                    |
| <b>Suitable Extinguishing Media</b>                          | Standard procedure for chemical fires. Foam. Water.                               |
| <b>Protective Equipment and Precautions for Firefighters</b> | As in any fire, wear self-contained breathing apparatus and full protective gear. |

## 6. ACCIDENTAL RELEASE MEASURES

|                                |                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>    | Use only with adequate ventilation/personal protection. Avoid breathing dust or spray mist. Avoid formation of dust and aerosols. For personal protection see section 8. |
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so.                                                                                                                    |
| <b>Methods for Cleaning Up</b> | Contain and remove spilled product by mechanical means or with a vacuum cleaner equipped with a high efficiency filter. Avoid formation of aerosol.                      |

## 7. HANDLING AND STORAGE

|                 |                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | Avoid breathing dust or spray mist. Use appropriate personal protection (see Section 8). Avoid contact with the product. Avoid the formation of aerosols and dust from dry product. Ventilate areas. |
| <b>Storage</b>  | Keep in a dry, cool and well-ventilated place.                                                                                                                                                       |

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines** Contains no substances with occupational exposure limit values.

### Occupational Exposure Controls

**Engineering Measures** Ventilation systems.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

### Personal Protective Equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and Body Protection** Impervious gloves.

**Respiratory Protection** OV/AG/P100 respirator recommended

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                                                                  |                                  |                                   |
|-----------------------------------|------------------------------------------------------------------|----------------------------------|-----------------------------------|
| <b>Appearance</b>                 | Clear with white crystals.                                       | <b>Odor</b>                      | Typical odor of fermented product |
| <b>Physical State</b>             | Liquid contains solid particles.<br>Particle settling is normal. | <b>pH</b>                        | No information available          |
| <b>Flash Point</b>                | Not applicable.                                                  | <b>Method</b>                    | Not applicable.                   |
| <b>Autoignition Temperature</b>   | Not applicable.                                                  | <b>Decomposition Temperature</b> | Not determined                    |
| <b>Boiling Point/Range</b>        | Not determined                                                   | <b>Melting Point/Range</b>       | Not determined                    |
| <b>Freezing Point</b>             | Not determined                                                   |                                  |                                   |
| <b>Flammability Limits in Air</b> | Not applicable.                                                  | <b>Explosion Limits</b>          | Not determined                    |
| <b>Specific Gravity</b>           | Not determined                                                   | <b>Water solubility</b>          | Soluble                           |
| <b>Evaporation Rate</b>           | Not determined                                                   | <b>Vapor Pressure</b>            | Not determined                    |
| <b>Vapor Density</b>              | Not determined                                                   | <b>Density</b>                   | Not determined                    |
| <b>Molecular Weight</b>           | Not determined                                                   |                                  |                                   |

## 10. STABILITY AND REACTIVITY

**Stability** Stable under recommended storage conditions.

**Incompatible Products** None known.

**Conditions to Avoid** None known.

**Hazardous Decomposition Products** When mixed with water generates peracetic acid.

**Hazardous Polymerization** Hazardous polymerization does not occur.

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## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Acute Toxicity

Oral No data available.  
Dermal No data available.  
Inhalation No data available.

#### Irritation

Eye irritation May cause severe eye irritation.  
Skin irritation No data available  
Respiratory irritation No data available

#### Sensitization

Inhalation of enzyme mist/dust may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure.

#### Systemic toxicity

There is no data available for this product

#### Mutagenic effects

There is no data available for this product

#### Reproductive effects

This product does not contain any known or suspected reproductive hazards.

#### Carcinogenicity

The list below indicates any ingredient listed as a carcinogen:

### Component Information

Component information below is as complete as possible. Any fields not shown indicate no data is presently available.

#### *Propylene Glycol Diacetate*

Oral LD50/oral/rat 13530 mg/kg

#### *Sodium percarbonate*

Oral LD50/oral/rat 1034 mg/kg  
Dermal LD50/dermal/rabbit > 2000 mg/kg

Inhalation Rat LC50 = 4.58 mg/L

Eye irritation Highly irritating to rabbit eyes.

Skin irritation May cause mild irritation.

#### Sensitization

Not a sensitizer in guinea pig sensitization studies.

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## 12. ECOLOGICAL INFORMATION

|                                      |                                                                                                                             |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity effects</b>           | Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. |
| <b>Mobility</b>                      | Soluble.                                                                                                                    |
| <b>Persistence and Degradability</b> | Enzymes are considered readily biodegradable.                                                                               |
| <b>Bioaccumulation/Accumulation</b>  | Bioaccumulation is unlikely.                                                                                                |

### Component Information

| Chemical Name       | Toxicity to algae                                  | Toxicity to fish                                               | Toxicity to daphnia          | Biodegradation |
|---------------------|----------------------------------------------------|----------------------------------------------------------------|------------------------------|----------------|
| Sodium percarbonate | EC50/240h/algae = 70 mg/L<br>(Chlorella emersonii) | 96 hr LC50 = 70.7 mg/L Pimephales<br>promelas (fathead minnow) | EC50/48hr/daphnia = 4.9 mg/L | No data        |

## 13. DISPOSAL CONSIDERATIONS

|                               |                                                                                                                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Disposal Methods</b> | In accordance with local and national regulations.                                                                                                                                                                                   |
| <b>Packaging</b>              | If empty container retains product residues, all label precautions must be observed. Store away from ignition sources. Transport with all closures in place. Return for reuse or dispose according to national or local regulations. |

## 14. TRANSPORT INFORMATION

**Harmonized Tariff Code:** 3507.90.7000 (for enzymes).

**DEPT. OF TRANSPORTATION UN OR NA NUMBER** Not classified as dangerous in the meaning of transport regulations.

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| <b>Hazard Class</b>             | 5.1 (oxidizer)                                           |
| <b>Packing Group</b>            | II                                                       |
| <b>Reportable Quantity (RQ)</b> | Not applicable                                           |
| <b>Proper Shipping Name</b>     | Oxidizing solid, n.o.s. (sodium carbonate peroxyhydrate) |

**UN-No** **UN or NA number:** Not classified as dangerous in the meaning of transport regulations.

|                      |                |
|----------------------|----------------|
| <b>Hazard Class</b>  | 5.1 (oxidizer) |
| <b>Packing Group</b> | II             |

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## 15. REGULATORY INFORMATION

### HAZARD RATING SYSTEMS:

HMIS (SCALE 0-4, WHERE 4=SEVERE HAZARD): Health: 2 Flammability: 2 Reactivity: 2

### U.S. Federal Regulations

| Chemical Name              | SARA 313 - Threshold Values % | CERCLA/SARA - Section 302 Extremely Haz |
|----------------------------|-------------------------------|-----------------------------------------|
| Arylesterase               | Not listed                    | Not listed                              |
| Propylene Glycol Diacetate | Not listed                    | Not listed                              |
| Sodium percarbonate        | Not listed                    | Not listed                              |

### U.S. State Regulations

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

## 16. OTHER INFORMATION

**Prepared By** Siamons International Inc.

**Issuing Date** October 4, 2010

**Revision Date** " "

**Changes since last date of revision:**

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or 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.

END OF SDS