

SAFETY DATA SHEET
Concrobium Mold Stain Eraser

Issuing Date: February 15 2015

Revision Date: May 21, 2015

Revision Number: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier:

Product Name Concrobium Mold Stain Eraser

Other Identification Means:

Synonyms None

Use of Substance/Preparation and Restrictions:

Recommended Use: Cleaner
Uses Advised Against: No information available

SDS Supplier Details:

Company Name: Siamons International Inc.
Company Identification: 48 Galaxy Blvd., Unit 413
Toronto, Ontario Canada
M9W 6C8

Company Emergency Telephone Number Emergency Phone: 866 811 4148

2. HAZARDS IDENTIFICATION

Classification:

The product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29CFR 1910.1200) and WHMIS 2015.

Acute Toxicity Category 4 (Oral) H302

Eye Irritation 2 H319

Skin Irritation 2 H315

GHS Label Elements, including precautionary statement:

Emergency Overview:

Irritant
Causes Skin Irritation
Oxidizer
Contact with combustible material may cause fire.

Appearance: Clear/Colourless

Physical State: Liquid

Odour: Odourless

Signal Word (GHS-US):

Danger

Hazard Pictograms (GHS-US):



Concrobium Mold Stain Eraser

Revision Date: May 21, 2015

Hazard Statements (GHS-US):

H272 May Intensify fire; oxidizer.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statements (GHS-US) - Prevention:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P221 Take any precaution to avoid mixing with combustibles.
P264 Wash thoroughly after handling.

Precautionary Statements (GHS-US) - Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements (GHS-US) - Storage:

None

Precautionary Statements (GHS-US) - Disposal:

None

Hazards not otherwise classified (HNOC):

None

Interactions with Other Chemicals:

Contact with ammonia or chlorine containing products may cause release of toxic gases

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description:

Chemical

| Ingredient | CAS # | % by Wt | Trade Secret |
|-----------------------|------------|---------|--------------|
| Sodium Percarbonate | 15630-89-4 | 60-100 | * |
| Tetraacetylenediamine | 10543-57-4 | 15-35 | * |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures:

Eye Contact:

Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

SDS: Concrobium Mold Stain Eraser

Concrobium Mold Stain Eraser

Revision Date: May 21, 2015

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|---|---|
| Skin Contact: | Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. |
| Inhalation: | Remove to fresh air. If symptoms persist consult physician. |
| Ingestion: | Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personnel. Never give anything to an unconscious person. Get medical aid. |
| Notes to Physician: | Treatment based on judgment of attending physician. |
| Most Important symptoms and effects, both acute and delayed: | No information available |

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| Suitable Extinguishing Media | Flood with water for extinguishing agent. CO2 may provide limited control. |
| Unsuitable Extinguishing Media | Do not use dry chemicals or foams. |
| Specific Exposure Hazards | Oxidizing substances can be decomposed by water and direct sources of heat. Decomposition releases oxygen which can support combustion. |
| Hazardous Combustion Products | Carbon Oxides. |
| Explosion Data: | |
| Sensitivity to Mechanical Impact: | None. |
| Sensitivity to Static Discharge: | None. |
| Special safety equipment: | Self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing. |

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe dust.

Environmental Precautions:

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

Method for Containment: Contain any powder spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Procedures for Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment.

Emergency Procedures: Evacuate unnecessary personnel.

Concrobium Mold Stain Eraser

Revision Date: May 21, 2015

Procedures for Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Reference to Other Sections: See Heading 8. Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Ensure good ventilation/exhaustion at the work place. Prevent formation of dust.

Information about fire and explosion protection: Keep respiratory protective device available.
No special measures required.

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Store in a cool location.
Protect from humidity and water.
Unsuitable material for receptacle: steel.
Unsuitable material for receptacle: aluminum.
Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility: Do not store with alkaline products or strong acids.
Store away from reducing agents.
Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Keep container tightly sealed.

Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines None.

Appropriate Engineering Controls:

Engineering Measures Showers. Eyewash Stations. Ventilation Systems.

Individual Protection Measures:

Concrobium Mold Stain Eraser

Revision Date: May 21, 2015

| | |
|-------------------------|---|
| Eye protection: | Safety goggles. |
| Skin protection: | Use body-covering impervious clothing. |
| Hand protection: | Chemical resistant gloves. |
| Respiratory protection: | Use local exhaust or dilution ventilation. |
| Working hygiene: | Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | | | |
|----------------|--------------|-----------------|---------------------------|
| Physical State | Solid | Odour | Faint acetic acid smell. |
| Appearance | White Powder | Odour Threshold | No information available. |
| Colour | White. | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks/Method</u> |
|----------------------------|-----------------------------|-----------------------|
| pH 3% solution | 10.5 | None known |
| Melting/Freezing Point | No data available | None known |
| Boiling Point/Range | Not applicable | None known |
| Flash Point | None | None known |
| Evaporation Rate | NO data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air: | | |
| Upper Limit | No data available | None known |
| Lower Limit | No data available | None known |
| Vapour Pressure | No data available | None known |
| Vapour density | No data available | None known |
| Specific Gravity | 0.9 – 1.2 g/cm ³ | |
| Water Solubility | Soluble in water. | None known |
| Solubility Other Solvents | No data available | None known |
| Partition Coefficient: | | |
| n-octanol/water | No data available | None known |
| Autoignition temperature | No data available | None known |
| Decomposition Temperature | No data available | None known |
| Kinematic Viscosity | No data available | None known |
| Dynamic Viscosity | No data available | None known |
| Explosive Properties | No data available | None known |
| Oxidizing Properties | No data available | None known |

Other Properties:

| | |
|----------------------------|-------------------|
| Softening Point | No data available |
| VOC Content % | No data available |
| Particle Size | No data available |
| Particle Size Distribution | No data available |

Concrobium Mold Stain Eraser

Revision Date: May 21, 2015

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity: | No data available |
| Chemical Stability: | Stable under recommended storage conditions |
| Possibility of Hazardous Reactions: | Contact with acids releases toxic gasses. Reacts with alkali and metals. Reacts with reducing agents. |
| Hazardous Polymerization: | None known. |
| Conditions to avoid: | Store away from reducing agents, water, acids, bases, salts of heavy metals, organic materials, flammable substances. |
| Incompatible materials: | Warning! Do not use together with products other than directed on the product label. |
| Hazardous Decomposition Products: | Oxygen. Contamination with many substances will result in decomposition. The rate of decomposition increases with increasing temperature and may be more vigorous with rapid generation of oxygen and steam at high temperatures of 150°C or more. |
| Thermal Decomposition / Conditions to be avoided: | Self-accelerating decomposition with oxygen release starting at 150°C. |

11. TOXICOLOGICAL INFORMATION

Component Information:

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------|-------------------|---------------------|----------------------|
| Sodium percarbonate | 2400 mg/kg (rat) | 2000 mg/kg (rabbit) | 4580 mg/kg (rat) |
| Tetra-acetyl ethylenediamine | >2000 mg/kg (rat) | >2000 mg/kg (rat) | >2.08 mg/L (4h, rat) |

Information on Toxicological Effects:

Symptoms None known

Delayed/Immediate/Chronic Effects from short and long term exposure:

| | |
|---|---------------------------------------|
| Sensitization | None known |
| Mutagenic Effects | None known |
| Carcinogenicity | No ingredients listed as a carcinogen |
| Reproductive Toxicity | None known |
| STOT- Single Exposure | None known |
| STOT Repeated exposure | None known |
| Chronic Toxicity | None known |
| Target Organ Effects | None Known |
| Numerical Measures of Toxicity (based on GHS Chapter 3.1) | Not applicable |

SDS: Concrobium Mold Stain Eraser

Concrobium Mold Stain Eraser

Revision Date: May 21, 2015

12. ECOLOGICAL INFORMATION

| | |
|---------------------------------------|-----------------------------------|
| Ecotoxicity: | Not classified |
| Persistence and Degradability: | No information available |
| Bioaccumulative Potential: | No information available |
| Mobility in Soil: | No information available |
| Other Adverse Effects: | No information available |
| Other Information: | Avoid release to the environment. |

Sodium Percarbonate:

Fish, Pimephales promelas; LC50, 70.7 mg/L.
Fish, Pimephales promelas; NOEC, 96 hours, 1 mg/L.
Crustaceans, Daphnia pulex; EC50, 4.9 mg/L.
Crustaceans, Daphnia pulex; NOEC, 48 hours, 1 mg/L

Tetra-acetyl ethylene diamine

Biodegradation: > 98 % (28 d)
Method: OECD Test Guideline 301A
Biodegradation: 90 - 100 % (59 d) Method: OECD Test Guideline 311
Biodegradation: > 90 % (9 d) Method: OECD Test Guideline 302B Source: Analogy
Fish toxicity: LC50 > 500 mg/l (96 h, Danio rerio (zebra fish)) Method: OECD Test Guideline 203
Daphnia toxicity: EC50 > 1,000 mg/l (48 h, Daphnia magna (Water flea))
Method: OPPTS 850.1010 static test
NOEC 500 mg/l (Daphnia magna (Water flea)) Method: OECD Test Guideline 211 semi-static test
Algae toxicity: EC50 (Growth rate) > 1,000 mg/l (72 h, Desmodesmus subspicatus (Scenedesmus subspicatus)) Method: OECD Test Guideline 201
Bacteria toxicity: EC50 > 1,000 mg/l (3 h) Method: OECD Test Guideline 209
Dissolved organic carbon (DOC):435 mg/g
Chemical oxygen demand (COD):1,260 mg/g

13. DISPOSAL CONSIDERATIONS

Waste treatment Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste. If chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Disposal Methods

Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging: California Hazardous Waste Codes

352

Ecology – Waste Materials:

Avoid release to the environment.

Concrobium Mold Stain Eraser

Revision Date: May 21, 2015

14. TRANSPORT INFORMATION

| | |
|-----------------------------|------------------------------------|
| <u>DOT:</u> | Yes: Shipped with Limited Quantity |
| Proper Shipping Name | Not Applicable |
| Hazard Class | Not Applicable |
| <u>TDG</u> | Yes: Shipped with Limited Quantity |
| <u>MEX</u> | Not Applicable |
| <u>ICAO</u> | Yes: Shipped with Limited Quantity |
| <u>IATA:</u> | Yes: Shipped with Limited Quantity |
| Proper Shipping Name | Not Applicable |
| Hazard Class | Not Applicable |
| <u>IMDG/IMO:</u> | Yes: Shipped with Limited Quantity |
| Hazard Class | Not Applicable |
| <u>RID</u> | Not Applicable |
| <u>ADR</u> | Not Applicable |
| <u>ADN</u> | Not Applicable |

This corrosive material, as per 49 CFR §173.154 and when the product meets the packaging requirements of 49 CFR §173.154 (b)(2) [inner packagings not over 5.0 kg (11lbs) net capacity each for, and packed in strong outer packagings] is excepted from labeling and placarding requirements so long as the material is not offered for transport by aircraft.

15. REGULATORY INFORMATION

International Inventories:

| | |
|------|---|
| TSCA | Complies |
| DSL | All components are listed either on the DSL or NDSL |

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List.

Canadian Regulations:

| | |
|--------------------------------|---|
| Canadian WHMIS Classification: | C Oxidizing Material D2B Toxic Substance Causing Other Toxic Effects Eye Irritation, Skin Irritation |
| Health Canada DIN: | Complies |
| Canadian DSL: | Complies |

US Federal Regulations:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories:

| | |
|---------------------|-----|
| Acute Health Hazard | Yes |
|---------------------|-----|

Concrobium Mold Stain Eraser

Revision Date: May 21, 2015

| | |
|-----------------------------------|-----|
| Chronic Health Hazard | No |
| Fire Hazard | Yes |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | Yes |

CWA (Clean Water Act)

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material does not contain any substances regulated as hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERLA) (40 CFR 302)

US State Regulations:

California Proposition 65

This product does not contain any Proposition 65 Chemicals.

US State Right-To-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|---------------------|------------|---------------|--------------|--------------|----------|
| Sodium Percarbonate | x | | | | |

16. OTHER INFORMATION

| | Health Hazard | Flammability | Instability | Physical Hazard | Physical and Chemical Hazards – Personal Protections |
|------|---------------|--------------|-------------|-----------------|--|
| NFPA | 2 | 0 | 0 | n/a | B |
| HMIS | 2 | 0 | 1 | 1 | B |

HMIS III Rating

Health: 2 Moderate Hazard - Oxidizer

Flammability: 0 Minimal Hazard

Physical: 1 Slight Hazard

Personal Protection: B

Prepared By: Lizmar
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Concrobium Mold Stain Eraser

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Toronto Ontario
M8V 2K6
416-436-5054

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Revision Note: Format changes only.

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet