

MATERIAL SAFETY DATA SHEET

Concrobium Mold Stain Remover Part I

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Concrobium Mold Stain Remover Part I **PRODUCT USE:** Mold stain removal

MANUFACTURER: Siamons International Inc. **SUPPLIER:** Siamons International Inc.

ADDRESS: 48 Galaxy Blvd
Unit 413
Toronto, Ontario
M9W 6C8 **ADDRESS:** 48 Galaxy Blvd
Unit 413
Toronto, Ontario
M9W 6C8

EMERGENCY : 866 811 4148 **EMERGENCY :** 866 811 4148

SECTION II: INGREDIENT INFORMATION

Ingredients	CAS#	Wt%	OSHA-TWA	ACGIH-TWA	LD ₅₀
Arylesterase	9032-73-9	< 1.0	Not applicable	Not applicable	Not established
Sodium carbonate peroxyhydrate	15630-89-4	60-100%	10 mg/m3 (dust)	10 mg/m3(dust)	1034 mg/kg (oral/rat)

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Eye, skin contact, ingestion.

Potential Health Effects:

Eye Contact: May severe irritation to eyes

Skin Contact: May slight irritation upon repeated/ prolonged contact.

Inhalation: May cause nose, throat and respiratory tract irritation. Atopy, Asthma.

Ingestion: May cause irritation to mouth, esophagus and stomach. May cause gastric tract disorder such as nausea.

Chronic Effects

Carcinogenicity: No ingredients listed IARC or NTP or ACGIC. Non hazardous by WHIMIS/OSHA criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: The ingredients in this product were found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for chemical testing, sec.471)

Skin: Repeated or prolonged exposures to dilutions can cause drying, defatting and dermatitis.

SECTION IV: FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. Holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin Contact : Flush with water. Seek medical attention if irritation persists. Remove contaminated clothing and launder before reuse.

Inhalation: Move victim to fresh air. If conscious, have victim take deep, slow breaths. Seek medical attention if symptoms persist.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if unconscious or convulsing.

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SECTION V: FIRE FIGHTING MEASURES

Flammability:	Non flammable.
Flash Point deg (C,TCC) :	Not Applicable
Means of Extinction:	As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam
Special Fire Hazards:	Fire fighters should wear self contained breathing apparatus as for surrounding fire.
Autoignition temperature:	Not applicable.
Flame propagation or burning rate of solid:	Not applicable.
Sensitivity to static discharge:	Not applicable
Unusual Fire and Explosion Hazards.	None expected. As per surrounding fire.
Hazardous decomposition products:	Oxides of carbon.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures:	Before attempting clean up, refer to the hazard data provided above. Small spills may be swept up and disposed of in regular garbage. For large quantities, dispose of in accordance with local, provincial/ state or federal regulations. For large spills prevent from entering sewers and waterways. For large spills provide diking to prevent spreading.
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SECTION VII: HANDLING AND STORAGE

Storage Requirements:	KEEP OUT OF REACH OF CHILDREN. Store in a closed container away from incompatible materials which include acids, oxidizing materials, reducing sugars and Ammonia Salts. Storage temperature C Ambient to 35 C Keep container closed. Handle and open container with care. Store in a well ventilated place away from incompatible materials. Do not store near open flame. Do not reuse empty containers.
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SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves:	Impervious gloves.
Eye Protection:	Safety glasses.
Respiratory Protection:	Not normally required if good ventilation is maintained
Other Protective Equipment:	As required by employer code. Eye bath, safety shower, protective clothing.
Engineering Controls:	General ventilation normally required

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	Not applicable	Bulk Density	0.9-1.0 gr/cc	Evaporation Rate (water=1):	Not applicable
% Volatile (Wt%):	Not available.	Solubility in water:	Complete	pH (1 % solution):	10.0-11.0
Physical State:	powder	Viscosity:	Not applicable		
Appearance / Odour:	White free flowing powder no odour				

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SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Exposure to moisture or heat.
Incompatible Materials: Strong reducing agents, strong acids, heavy metals, flammable and combustible materials.
Hazardous Decomposition Products: Oxides of carbon, Oxides of Nitrogen when heated.

SECTION XI: TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity
LD50 Oral - rat - 1034 mg/kg
LD50 Dermal - rabbit - > 2000 mg/kg - 1h
Skin corrosion/irritation
Skin - rabbit - Mild skin irritation
Serious eye damage/eye irritation
Eyes - rabbit - Severe eye irritation
Respiratory or skin sensitization
No data available
Germ cell mutagenicity
No data available

SECTION XII: ECOLOGICAL INFORMATION

Toxicity to fish
LC50 - Pimephales promelas (fathead minnow) - 70,7 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates.
EC0 - Daphnia magna (Water flea) - 2 mg/l - 48 h
EC50 - Daphnia magna (Water flea) - 4,9 mg/l - 48 h

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations.

SECTION XIV: TRANSPORTATION

T.D.G. Classification: Class 5.1- oxidizing substances Sodium Carbonate Peroxyhydrate UN 3378 PG II
Containers under 1.0 kg may be shipped under Limited Quantity if outer container weight less than 30 kg.
D.O.T. Classification: Class 5.1- oxidizing substances Sodium Carbonate Peroxyhydrate UN 3378 PG II
Containers under 1.0 kg ORM-D Limited Quantity.

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety Regulations:
WHMIS Class: Class D Division 2B Class C.
OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations
Environmental Regulatory Lists:
Toxic Substances Control Act (TSCA) All ingredients are registered on the Chemical Substances Inventory.
Canadian Domestic Substance List (DSL): All ingredients are registered on the DSL

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Concrobium Mold Stain Remover Part I

SECTION XVI: OTHER INFORMATION

Date:	28 April 2013	Prepared By:	Technical Services Group	Telephone:	866 811 4148
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material; have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST on Montreal, Quebec (514-873-3990).

MATERIAL SAFETY DATA SHEET

Concrobium Mold Stain Remover Part II

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Concrobium Mold Stain Remover Part II **PRODUCT USE:** Mold stain removal

MANUFACTURER: Siamons International Inc. **SUPPLIER:** Siamons International Inc.

ADDRESS: 48 Galaxy Blvd
Unit 413
Toronto, Ontario
M9W 6C8 **ADDRESS:** 48 Galaxy Blvd
Unit 413
Toronto, Ontario
M9W 6C8

EMERGENCY : 866 811 4148 **EMERGENCY :** 866 811 4148

SECTION II: HAZARDOUS IDENTIFICATION

Route of Entry: Eye, skin contact, ingestion.

Potential Health Effects:

Eye Contact: May cause slight irritation to eyes

Skin Contact: May cause slight irritation upon repeated/ prolonged contact.

Inhalation: May cause slight nose, throat and respiratory tract irritation

Ingestion: May cause slight irritation to mouth, esophagus and stomach. May cause gastric tract upset and/or damage.

Chronic Effects

Carcinogenicity: No ingredients listed IARC or NTP or ACGIC. Non hazardous by WHIMIS/OSHA criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: The ingredients in this product were found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for chemical testing, sec.471)

Skin: Repeated or prolonged exposures can cause drying, defatting and dermatitis if sensitive.

SECTION III: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-TWA	ACGIH-TWA	LD ₅₀
Propylene Glycol Diacetate	623-84-7	60-100 %	Not applicable	Not applicable	13,530 mg/Kg(oral/rat)

SECTION IV: FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. Holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin Contact : Flush with water. Remove contaminated clothing and launder before reuse.

Inhalation: Move victim to fresh air. If conscious, have victim take deep, slow breaths. Seek medical attention if symptoms persist.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if unconscious or convulsing.

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Concrobium Mold Stain Remover Part II

SECTION V: FIRE FIGHTING MEASURES

Flammability:	Non flammable liquid as per WHMIS or OSHA.
Flash Point deg (C,TCC) :	FP 86 C (Closed Cup)
Means of Extinction:	As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam
Special Fire Hazards:	Fire fighters should wear self contained breathing apparatus as for surrounding fire.
Autoignition temperature:	Not applicable.
Flame propagation or burning rate of solid:	Not applicable.
Sensitivity to static discharge:	Not applicable
Unusual Fire and Explosion Hazards.	None expected. As per surrounding fire.
Hazardous decomposition products:	Oxides of carbon.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures:	Before attempting clean up, refer to the hazard data provided above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled container. For large quantities, dispose of in accordance with local, provincial/ state or federal regulations. For large spills prevent from entering sewers and waterways. For large spills provide diking to prevent spreading.
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SECTION VII: HANDLING AND STORAGE

Storage Requirements:	KEEP OUT OF REACH OF CHILDREN. Store in a closed container away from incompatible materials which include acids, alkalies, reducing materials, reducing sugars and Ammonia Salts. Keep container closed. Handle and open container with care. Store in a well ventilated place away from incompatible materials. Do not store near open flame. Do not reuse empty containers.
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SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves:	Impervious gloves for prolonged exposure.
Eye Protection:	If eye contact is possible chemical splash goggles are recommended.
Respiratory Protection:	Not normally required if good ventilation is maintained
Other Protective Equipment:	As required by employer code. Eye bath, safety shower, protective clothing.
Engineering Controls:	General ventilation normally required

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Concrobium Mold Stain Remover Part II

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	190 C	Specific Gravity (H₂O = 1):	1.057	Evaporation Rate (butyl acetate= 1)	0.03
% Volatile (Wt%):	Not established	Solubility in water:% w/w @ 20 C	8	pH (as supplied):	Not established
Physical State:	Liquid	Viscosity:	5 mPas at 20 C		
Appearance / Odour:	Transparent clear solution with typical odour				

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable under normal conditions. Excessive heat or contamination could cause decomposition.

Incompatible Materials: Reducing agents, strong acids, strong caustics, iron and other metals.

Hazardous Decomposition Products: Oxides of carbon, when heated.

SECTION XI: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA LD50

Oral (rat) 13530 mg/kg
LD50 Oral (guinea pig) 3420 mg/kg
LD50 Dermal (rabbit) >2000 mg/kg

SECTION XII: ECOLOGICAL INFORMATION

BIODEGRADABILITY: BOD5/COD < 50%, but other data suggests it is readily biodegradable.

BIOACCUMULATION: Bioconcentration factor has been estimated at 0.8, so there is insignificant bioaccumulation.

AQUATIC TOXICITY:
LC50 fish 96h 82 mg/l-1.
EC50 Daphnia 48h 230 mg/l.

SUMMARY: On above data, Propylene Glycol Diacetate is not classified as dangerous to the environment, neither acute nor chronic.

SECTION XIV: TRANSPORTATION

T.D.G. Classification: Not regulated
D.O.T. Classification: Not regulated

SECTION XV: REGULATORY INFORMATION

MATERIAL SAFETY DATA SHEET

Concrobium Mold Stain Remover Part II

Occupational Health and Safety Regulations:

WHMIS Class:

Class D Division 2B

OSHA & WHMIS:

MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations

Environmental Regulatory Lists:

Toxic Substances Control Act (TSCA)

All ingredients are registered on the Chemical Substances Inventory.

Canadian Domestic Substance List (DSL):

All ingredients are registered on the DSL

SECTION XVI: OTHER INFORMATION

Date:	28 April 2013	Prepared By:	Technical Services Group	Telephone:	1 (866) 811-4148
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material; have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST on Montreal, Quebec (514-873-3990).