

MATERIAL SAFETY DATA SHEET
Concrobium House and Deck Cleaner

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: House and Deck Cleaner.	PRODUCT USE: Cleaner.
MANUFACTURER: Siamons International	SUPPLIER: Siamons International
ADDRESS: 48 Galaxy Blvd Toronto, Ontario, Canada. M9W 6C8	ADDRESS: 48 Galaxy Blvd Toronto, Ontario, Canada. M9W 6C8.
EMERGENCY : 416 213 0219	EMERGENCY : 416 213 0219 Or call poison control centre listed in white pages.

SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA TLV	ACGIH-TLV	LD ₅₀
Sodium Bicarbonate	144-55-8	1-5 %	Not applicable	Not Applicable	4,220 mg/IKg(oral/rat)
Sodium Carbonate	497-19-8	3-7%	Not applicable	Not Applicable	4,090 mg/IKg(oral/rat)
Sodium Phosphate, Tribasic.	7601-54-9	3-7%	Not applicable	Not Applicable	7,400 mg/IKg(oral/rat)
Alcohol Ethoxylate	68991-48-0	3-7%	Not applicable	Not Applicable	2000 mg/IKg(oral/rat)
Alanine, N,N- bis(carboxymethyl)- , trisodium salt	164462-16-2	1-5%	Not applicable	Not Applicable	2000 mg/IKg(oral/rat)

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry:	Eye, skin contact, ingestion.
Potential Health Effects:	
Eye Contact:	May cause 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.

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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 laundry 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.

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, oxides of nitrogen.

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, 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.

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, reducing materials, reducing sugars and ammonia Salts. Storage temperature C Ambient to 35 C (must be stored above 0 C at all times) Transport temperature C Ambient to 35 C (must be stored above 0 C at all times.) 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.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Not normally required, impervious gloves is sensitive skin or for prolonged exposure.

Eye Protection: Not normally required, if eye contact is possible chemical splash goggles should be used.

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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SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	100	Specific Gravity (H₂O = 1):	1.00-1.02	Evaporation Rate (water=1):	similar
% Volatile (Wt%):	>83 %	Solubility in water:	Complete	pH (as supplied):	10.1-10.2
Physical State:	Liquid	Viscosity:	Water like		
Appearance / Odour:	Transparent clear solution with very little 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, Oxides of Nitrogen when heated.

SECTION XI: TOXICOLOGICAL INFORMATION

LD 50 values for individual components see section II
 Skin Sensitization (OECD Sec. 406) Non sensitizing.

SECTION XII: ECOLOGICAL INFORMATION

Biodegradability: This product would expect to be low in aquatic toxicity and would be expected to be biodegradable.

Aquatic Toxicity for Sodium Bicarbonate:
 48 hour EC50 Daphnia magna (water flea) : 2350 mg/L.
 96 hour LC50 Lepomis macrochirus (bluegill) : > 5000 mg/L.
 120 hour EC50 Nitzschia linearis (diatom) : 650 mg/L
 Aquatic Toxicity for Sodium Carbonate
 96 Hr LC50 Lepomis macrochirus: 300 mg/L [static];
 48 Hr EC50 Daphnia magna: 265 mg/L
 Aquatic toxicity for Sodium Phosphate, Tribasic
 Invertebrate: 48-hr EC50 Daphnia magna: >1000 mg/L;
 Warmwater Fish: 96-hr LC50 Bluegill sunfish: 440 mg/L;
 Coldwater Fish: 96-hr LC50 Rainbow trout: 260 mg/L;
 Alcohol Ethoxylate
 Readily Biodegradable as per OECD 301D. Fish, Acute Toxicity Test, OECD 203: 96 hour , LC50: 70.7 mg/L (rainbow trout)

SECTION XIII: DISPOSAL CONSIDERATIONS

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

SECTION XIV: TRANSPORTATION

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

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SECTION XV: REGULATORY INFORMATION

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:
SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 None of these ingredients are listed.
CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 None of the ingredients are listed
RCRA 40 CFR 261 (Subpart D) None of the ingredients are listed
CLEAN WATER ACT – Section 311 (Reportable Qty) 40 CFR 116: None of these ingredients are listed
CLEAN AIR ACT – Section 312 (List of Hazardous Pollutants) 40 CFR 63 (Subpart C) None of these ingredients are listed
National Pollutant Release Inventory None of these ingredients are listed
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:	29 January 2012	Prepared By:	Technical Services Group	Telephone:	416 213 0219
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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).