

SAFETY DATA SHEET
Concrobium Moisture Grabbers™

Issuing Date: October 9, 2014

Revision Date: June 12, 2017

Revision Number: 3

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

Product Identifier:

Product Name

Concrobium Moisture Grabbers™

Other Identification Means:

Synonyms

None

Use of Substance/Preparation and Restrictions:

Recommended Use:

Desiccant

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

GHS Classification

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3)

GHS Label Elements, including precautionary statement:

Emergency Overview:

The product is considered hazardous under OSHA regulations. Eye irritation.

Appearance: Flakes/Powders

Physical State: Solid

Odour: Odourless

Signal Word (GHS-US):

WARNING

Hazard Pictograms (GHS-US):



Hazard Statements (GHS-US):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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H335 May cause respiratory irritation.

Precautionary Statements (GHS-US) - Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

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.

P302+ P352 IF ON SKIN: Wash with plenty of soap and water

Precautionary Statements (GHS-US) - Storage:

None

Precautionary Statements (GHS-US) - Disposal:

None

Hazards not otherwise classified (HNOC):

None

Interactions with Other Chemicals:

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description:

Chemical

Ingredient	CAS #	% by Wt	Trade Secret
Calcium Chloride	10043-52-4	60-100	*
Amylopectin	9037-22-3	35-70%	*

* 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.

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.

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Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.

Most Important symptoms and effects: No information available.

Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Flood with water for extinguishing agent. CO₂, dry chemical, alcohol resistant foam

Unsuitable Extinguishing Media Do not use dry chemicals or foams.

Specific Hazards Arising from the Chemical Thermal decomposition releases irritating gases.

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 and dispose of waste safely.

Procedures for Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

Procedures for Emergency Personnel:

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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 workplace.
Prevent formation of dust.

Conditions for safe storage, including any incompatibilities:

Storage Store in a cool location.
Protect from humidity and water.
Avoid storage near extreme heat, ignition sources or open flame.

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.

Incompatible Products None known

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls:

Engineering Measures Showers.
Eyewash stations.
Ventilation Systems.

Individual Protection Measures:

Eye protection: Safety goggles.

Skin protection: Use body-covering impervious clothing.

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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		
Appearance	White granular solid.	Odor	Odorless
Colour	White	Odor Threshold	No information available.
<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>	
pH	Not established.	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	1.00 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	
<u>Other Properties:</u>			
Softening Point	No data available		
VOC Content %	No data available		
Particle Size	No data available		
Particle Size Distribution	No data available		

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10. STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous Reactions:	None under normal processing
Hazardous Polymerization:	Does not occur.
Conditions to avoid:	Store away from reducing agents, acids, bases, salts of heavy metals, organic materials, flammable substances.
Incompatible materials:	Strong acids, boron oxides, zinc, calcium oxide, methyl vinyl ether. Calcium chloride is attacked by bromine trifluoride.
Hazardous Decomposition Products:	Carbon oxides. Hydrogen chloride gas, calcium oxides.
Thermal Decomposition / Conditions to be avoided:	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information

Inhalation	Specific test data for substance/mixture not available
Eye Contact	Slight irritation
Skin Contact	Specific test data for substance/mixture not available
Ingestion	Specific test data for substance/mixture not available

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium Chloride	1000 mg/kg (rat).	2600 mg/kg (rabbit)	No information available (Rat)
Amylopectin	No information available (rat)	No information available (rabbit)	No information available (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

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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

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.

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

181 (Other inorganic solid waste).

Ecology – Waste Materials:

Avoid release to the environment.

14. TRANSPORT INFORMATION

<u>DOT:</u>	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	Not Applicable
<u>TDG</u>	Not Regulated
<u>MEX</u>	Not Regulated
<u>ICAO</u>	Not Regulated
<u>IATA:</u>	Not Regulated
Proper Shipping Name	Not Regulated
Hazard Class	Not Applicable
<u>IMDG/IMO:</u>	
Hazard Class	Not Applicable
<u>RID</u>	Not Regulated
<u>ADR</u>	Not Regulated
<u>ADN</u>	Not Regulated

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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: D2B Toxic Material Causing Other Toxic Effects Moderate Eye Irritant
Health Canada DIN: Registered.
Canadian DSL: Appears.

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
Chronic Health Hazard	No
Fire Hazard	No
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, as supplied, does not contain any substances which are regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US State Regulations:

California Proposition 65

This product does not contain any Proposition 65 Chemicals.

US State Right-To-Know Regulations

16. OTHER INFORMATION

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

HMIS III Rating

Health: 2 Slight Hazard – Temporary or minor injury may occur.

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

Prepared By: Lizmar
32 Louisa Street
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