

**Cushion Fall Sport Green****CB-098**
**Metals Leachate Testing by EPA Method 1312
 Synthetic Predipitation Leaching Procedure**

The samples were weighed into extraction vessels along with the addition of extraction fluid at pH 4.2. The vessels were sealed and rotated for 18 hours. The extraction fluid was then analyzed using appropriate laboratory methods and AA or ICP instruments.

Date Sampled	7/6/2009	
Sample ID	CFS	
Sample description	Sports Green Three sample Average	
	Detection	
Analyte	limits in mg/L	ppm
Arsenic (TCLP)	0.1	0.000
Cadmium (TCLP)	0.005	0.000
Chromium (TCLP)	0.01	0.000
Lead (TCLP)	0.005	0.000
Mercury (TCLP)	0.001	0.000
Selenium (TCLP)	0.1	0.000
Zinc*(TCLP)	0.01	0.033

*Note: Zinc is a raw material component in synthetic rubber for tires. Levels are nearing non-detectable, indicating that the Zinc is well bound up in the rubber matrix.



LA Testing

11652 Knott Street Unit F5, Garden Grove, CA 92841

Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@lateesting.com

Attn: **Kent Rotert**

**1725 Dayton Ave
Ames, IA 50010**

Fax: Phone: (515) 956-2348
Project: **Colorbiotics/Kent Rotert**

Customer ID: 32MISC-ACC
Customer PO:
Received: 11/02/10 5:00 PM
LA Testing Order: 331013176
LA Testing Proj:

Test Report: Total Threshold Limit Concentration

<i>Lab ID:</i>	<i>Analyzed</i>	<i>RDL</i>	<i>Lead Concentration</i>	<i>Notes</i>
0001	11/3/2010	40 ppm	<40 ppm	
Client Sample CB 214				Collected:

Initial report from 11/03/2010 13:44:36

Michael Chapman, Laboratory Manager
or other approved signatory

This report relates only to those items tested. Sample received in acceptable condition unless otherwise noted.
Samples analyzed by LA Testing 11652 Knott Street Unit F5, Garden Grove CA

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: CUSHIONFALL® SPORT COLORED RUBBER – Green

Product Code: CBRC/CFSGREENCSC
CBRC/CFSGREENCSA

Effective Date: 03/17/2010

Manufacturer Information: Colorbiotics
1725 Dayton Avenue
Ames, IA 50010
Information Phone: 888-663-6980
Information Phone: 515-663-6980

Hazardous Material Information System III:

Health	0
Flammability	1
Physical Hazard	0
Personal Protection	X

Emergency Phone: Chemtrec (800) 424-9300 outside USA (703)527-3887

Section 2. Hazard Identification

Emergency Overview:

Nuisance particulate. May cause eye or respiratory tract irritation.

If ignited by excessive heat or open flame, this product will burn causing the release of toxic and irritating smoke. Smoke may contain noxious compounds. During fire conditions, smoke is irritating to the eyes and respiratory tract.

Ignition temperature of dust cloud: approximately 320°C (608°F)

Potential Acute Health Effects:

INHALATION: None expected, however, dust may be slightly irritating to eyes and respiratory tract. Prolonged or excessive exposure may cause coughing or sneezing.

SKIN: None expected.

EYES: Dust may be irritating to the eye.

INGESTION: Not considered a potential route of exposure.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Section 3. Composition/Information on Ingredients

Hazardous Components

Occupational Exposure Limits

Component	CAS Number	OSHA PEL	ACGIH TLV	Weight Percent
Vulcanized Rubber Compound		N/A	N/A	99%

The remaining components of this product are non-hazardous or in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

Section 4. First Aid Measures

Inhalation: Move to fresh air. Seek medical attention if irritation persists.

Skin Contact: Wash affected area with soap and water. Remove contaminated clothing and launder prior to reuse. If irritation persists, seek medical attention.

Eye Contact: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists, seek medical attention.

Ingestion: Not considered a potential route of exposure.

Section 5. Fire Fighting Measures

Flash Point (Method used): non-flammable

Flammable Limits LEL: not applicable **UEL:** not applicable

Autoignition Temperature: >428F

General Hazards: Will burn when exposed to excessive heat or flame.

Extinguishing Media: Carbon dioxide, water, dry chemical, chemical foam.

Fire Fighting Procedures: All extinguishing media permitted, water recommended. Full emergency equipment with self contained breathing apparatus must be worn. During combustion, irritating and/or toxic gases and aerosols from decomposition products may be present.

Unusual Fire and Explosion Hazards: Dust may be explosive if mixed with air in critical proportions and in the presence of an ignition source. This hazard is similar to that of many organic solids.

Hazardous Combustion Products: Unidentified hydrocarbons in smoke, oxides of sulfur and carbon.

Section 6. Accidental Release Measures

Clean-Up Procedures: Release of powdered rubber into the environment may cause particulate to form an explosive mixture in air. If release of ground rubber results in the formation of dust, remove all sources of heat and ignition. Provide immediate and plentiful ventilation. Contain spilled material for disposal or recycling. If sweeping is necessary, use dust suppression such as water. Do not dry sweep dust accumulation or use compressed air for cleanup. If collected material must be disposed of, do so according to federal, state, and local regulations.

Section 7. Handling and Storage

Precautions to be taken in handling and storage: Do not store near flame or ignition source. Do not store hot material in tubs or containers where spontaneous ignition could occur.

Section 8. Exposure Control/Personal Protection

Engineering Controls: The use of local ventilation is recommended if dusty conditions occur. No other special controls are indicated.

Personal Protection:

RESPIRATORY PROTECTION: No respiratory protection required under normal conditions of use. Use local exhaust to control excessive dust. If excessive dust conditions persist, use appropriate NIOSH approved dust respirator noted for up to 10mg/m³.

HANDS: Protective gloves may be used for general protection.

EYES: Safety glasses may be used for general protection.

WORK/HYGIENIC PRACTICES: Practice safe workplace habits and personal hygiene. Frequent washing with soap and water of exposed areas; remove and clean contaminated clothing.

Section 9. Physical and Chemical Properties

Odor	Mild rubber odor	Vapor Density	NA
Appearance	Green granules	Evaporation Rate	NA
pH	NA	Specific Gravity (H₂O = 1)	NA
Melting/Freezing Point	NA	Solubility	Insoluble

Section 10. Stability and Reactivity

Chemical Stability: This material is chemically stable under normal storage and handling conditions.

Conditions to Avoid: Conditions that will cause burning.

Hazardous Decomposition or Byproducts: Thermal decomposition may produce carbon monoxide, carbon dioxide, zinc oxide fumes/dust, sulfur dioxide, liquid and gaseous hydrocarbons.

Hazardous Polymerization: Is not known to occur.

Conditions to avoid: None.

Incompatibility (Materials to avoid): Strong oxidizers.

Section 11. Toxicological Information

Hazardous Components	CAS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species
Not applicable			

Section 12. Ecological Information

Ecotoxicity: No data available, however the material is not expected to have a deleterious toxic effect.

Environmental Fate: No data available regarding the environmental fate or biodegradation.

Section 13. Disposal Considerations

Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations. Do not discharge into lakes, ponds, streams, or public waters. Product is classified as non-hazardous; however non-hazardous materials may become hazardous waste upon contact with other products. Refer to 40 CFR 260-299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

Section 14. Transport Information

DOT Classification: Not regulated

IMO/IMDG Classification: Not regulated

IATA Classification: Not regulated

Section 15. Regulatory Information

TSCA (Toxic Substance Control Act): All components of this product are listed on the US Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

Sara Title III (Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories

None

313 Reportable Ingredients:

None

CERCLA (Comprehensive Response Compensations and Liability Act):

None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

Section 16. Other Information

The information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of Colorbiotics knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, recipient is responsible for determining whether the information is appropriate for recipient's use. Since Colorbiotics has no control over how this information may be ultimately used, all liability is expressly disclaimed and Colorbiotics assumes no liability.