



# Material Safety Data Sheet

## Section 1. Product and Company Identification

Product Name **Blackstar Green**

Effective Date **5/19/2003**

Print Date **5/19/2003**

Material Uses **Cosmetic Pigments**

Chemical Family **Inorganic pigment.**

## Section 2. Composition and Information on Ingredients

Component	% by Weight
Iron Oxide Black	56-64
MICA (mineral)	36-44

## Section 3. Hazards Identification

Physical State and Appearance **Solid. (Black-green, odorless, lustrous powder)**

Emergency Overview **MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.**

Routes of Entry **Eye contact. Inhalation. Ingestion (not anticipated).**

### Potential Acute Health Effects

*Eyes* May cause eye irritation. Symptoms include: itching and redness after contact.

*Skin* May cause mild skin irritation. Symptoms include: itching and redness after contact.

*Inhalation* May cause respiratory tract irritation. Symptoms include: coughing, wheezing or shortness of breath when inhaled.

*Ingestion* Not an intended route of exposure. May be hazardous in case of ingestion. Symptoms include: gastrointestinal tract upset and diarrhea.

### Potential Chronic Health Effects

**Additional information See Toxicological Information (section 11)**

Medical Conditions Aggravated by Overexposure: **Repeated or prolonged inhalation of any dust particulate may aggravate respiratory medical conditions.**

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**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If symptoms persist, seek medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reusing. Thoroughly clean shoes before reuse. If symptoms develop, seek medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, seek medical attention.
<b>Ingestion</b>	Do not ingest. If this material is swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	Non-flammable.
<b>Fire Fighting Media and Instructions</b>	In case of fire, use water spray (fog), foam, dry chemical, or CO2.
<b>Protective Clothing (Fire)</b>	Wear self-contained breathing apparatus and full protective clothing.

**Section 6. Accidental Release Measures**

<b>Small Spill and Leak</b>	Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional regulatory requirements.
<b>Large Spill and Leak</b>	Use appropriate tools to put the spilled material into a labeled waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional regulatory requirements. Check TLV in Section 8 of MSDS and with local authorities.
<b>Spill Kit Information</b>	No specific spill kit required for this product.

**Section 7. Handling and Storage**

<b>Handling</b>	Avoid generating dust. Avoid breathing dust. Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Keep container closed. Wash thoroughly after handling.
<b>Storage</b>	Keep container dry. Keep containers sealed until ready for use.

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
<b>Personal Protection</b>	<p><i>Eyes</i> Safety glasses.</p> <p><i>Body</i> Lab coat.</p> <p><i>Respiratory</i> Dust mask. Use additional appropriate respiratory protection if there is the potential to exceed the exposure limit(s).</p> <p><i>Hands</i> Recommended: Gloves.</p> <p><i>Feet</i> Not applicable.</p>

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Protective Clothing  
(Pictograms)



Personal Protection in Case of a Large Spill: Splash goggles. Synthetic apron. Gloves. Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

Product Name	Exposure Limits
Iron Oxide Black MICA (mineral)	Not available. ACGIH (United States, 1994). TWA: 3 mg/m <sup>3</sup> OSHA (United States, 1989). Notes: Respirable TWA: 3 mg/m <sup>3</sup> ACGIH (United States, 1994). TWA: 3 mg/m <sup>3</sup> 8 hour(s). NIOSH REL (United States, 1994). TWA: 3 mg/m <sup>3</sup> 10 hour(s). Form: Respirable fraction OSHA Final Rule (United States, 1989). TWA: 3 mg/m <sup>3</sup> 8 hour(s). Form: Respirable dust

**Section 9. Physical and Chemical Properties**

Odor	Odorless.
Color	Black-green.
Physical State and Appearance	Solid. (Black-green, odorless, lustrous powder)
Molecular Weight	Mixture.
Molecular Formula	Not applicable.
pH	5 to 9 (Conc. (% w/w): 10)
Melting/Freezing Point	Not available.
Specific Gravity	Not applicable.
Density	Bulk Density 4.2 to 5 g/in <sup>3</sup>
Solubility	Insoluble in water.

**Section 10. Stability and Reactivity**

Stability and Reactivity	The product is stable.
Hazardous Decomposition Products	Not applicable.
Hazardous Polymerization	Will not occur.

**Section 11. Toxicological Information**

RTECS Number:	Iron Oxide, Black Mica (mineral)	Not available. VV8760000
Toxicity	Not available.	
Chronic Effects on Humans		

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**CARCINOGENIC EFFECTS:** Not available.  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.  
**DEVELOPMENTAL TOXICITY:** Not available.  
 Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.  
 Target Organs: eyes, lungs, skin.

**Acute Effects on Humans** May cause skin, eye and respiratory irritation.

**Sensitization** Repeated or prolonged exposure to the substance at concentrations above the exposure limits may cause respiratory tract and lung sensitization.

**Carcinogenic Effects** This material is not known to cause cancer in animals or humans.

**Section 12. Ecological Information**

**Toxicity of the Products of Biodegradation** The product itself and its products of degradation are not toxic.

**Section 13. Disposal Considerations**

**EPA Waste Number** Non-hazardous waste

**Treatment** Dispose of according to all federal, state and local regulations.

**Section 14. Transport Information**

**DOT Classification** Not regulated.

**TDG Classification** Not regulated.

**IMO/IMDG Classification** Not regulated.

**ICAO/IATA Classification** Not regulated.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** TSCA 8(b) inventory: Iron Oxide Black; MICA (mineral)  
 SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.  
 SARA 302/304/311/312 hazardous chemicals: MICA (mineral)  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: MICA (mineral):  
 Immediate (Acute) Health Hazard  
 SARA 313 toxic chemical notification and release reporting: No products were found.  
 Clean Water Act (CWA) 307: No products were found.  
 Clean Water Act (CWA) 311: No products were found.  
 Clean air act (CAA) 112 accidental release prevention: No products were found.  
 Clean air act (CAA) 112 regulated flammable substances: No products were found.  
 Clean air act (CAA) 112 regulated toxic substances: No products were found.

**WHMIS (Canada)** Not controlled under WHMIS (Canada).

CEPA DSL: Iron Oxide Black; MICA (mineral)

**International Regulations**

**EINECS** Iron Oxide Black 215-277-5  
 MICA (mineral) 3101276

**DSCL (EEC)** S22- Do not breathe dust.

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**International Lists**    Australia (NICNAS): IRON OXIDE BLACK; MICA  
                                  Japan (MITI): IRON OXIDE BLACK; MICA  
                                  Korea (TCCL): IRON OXIDE BLACK; MICA  
                                  Philippines (RA6969): IRON OXIDE BLACK; MICA

**State Regulations**        Massachusetts RTK: MICA (mineral)  
                                  New Jersey: MICA (mineral)

**Section 16. Other Information**

**Hazardous Material  
Information System  
(U.S.A.)**

Flammability	*	1
Explosive		0
Reactivity		0
Personal Protection		E

**National Fire  
Protection  
Association (U.S.A.)**

**Other Special  
Considerations**            Not available.

**Changed Since Last Revision**

# Certificate of Analysis

Modern, Natural, Versatile  
4401 Eastern Ave 45-2A  
Baltimore, MD 21224  
information@monave.com  
(410) 534-1058



1.17464.9020  
Batch Blackstar Green  
H210071X64

	Spec. values		Batch values		Method
Assay (Fe <sub>3</sub> O <sub>4</sub> )	56.0- 64.0	%	57.6	%	Inhouse
Assay (Mica)	36.0- 44.0	%	42.4	%	Inhouse
Particle Size Distribution	80% within the range		conforms		Laser Diffraction
	10.0-60.0µm				
Particle Size (d <sub>50</sub> )	18.0- 25.0	µm	21.4	µm	Laser Diffraction
Screening Test (<0.150 mm)	conforms		conforms		Inhouse
pH (10% aqueous suspension)	5.0- 9.0		7.8		ISO 787-9
Loss on Drying (105°C)	≤ 0.5	%	≤ 0.1	%	ISO 787-2
Heavy metals (As)	≤ 0.0002	%	≤ 0.0002	%	mod.PCPC/int.methods
Heavy metals (Ba)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Heavy metals (Cd)	≤ 0.0003	%	≤ 0.0003	%	mod.PCPC/int.methods
Heavy metals (Cr)	≤ 0.0100	%	≤ 0.0010	%	mod.PCPC/int.methods
Heavy metals (Cu)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Heavy metals (Hg)	≤ 0.0001	%	≤ 0.0001	%	mod.PCPC/int.methods
Heavy metals (Ni)	≤ 0.0010	%	≤ 0.0010	%	mod.PCPC/int.methods
Heavy metals (Pb)	≤ 0.0010	%	≤ 0.0010	%	mod.PCPC/int.methods
Heavy metals (Sb)	≤ 0.0001	%	≤ 0.0001	%	mod.PCPC/int.methods
Heavy metals (Zn)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Visual and Colorimetric Evaluation	conforms		conforms		Inhouse
Microbial Purity (Total Viable Aerobic Count)	≤ 100	CFU/g	≤ 100	CFU/g	USP, Ph.Eur., JP
Gram negative bacteria	absent in 1g		passes test		USP, Ph.Eur., JP
E.coli	absent in 1g		passes test		USP, Ph.Eur., JP
Pseudomonas aeruginosa	absent in 1g		passes test		USP, Ph.Eur., JP
Staphylococcus aureus	absent in 1g		passes test		USP, Ph.Eur., JP
Salmonella species	absent in 10g		passes test		USP, Ph.Eur., JP
Candida albicans	absent in 1g		passes test		USP, Ph.Eur., JP

Colour-Index (Fe<sub>3</sub>O<sub>4</sub>): C.I.No. 77499

This article meets the purity requirements in USA, Japan and European Union for cosmetic colour additives.

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