

Section 1. Product and Company Identification

Product Name:  
BLACK

**Hazardous Material Information System:**  
 Health 1  
 Fire Hazard 0  
 Physical Hazard 0  
 Personal Protection X

Product Code: MMFG/BLACK  
 Chemical Family: Pigment Black 7 Dispersion  
 Formula.....: Proprietary  
 CAS Number: 1333-86-4  
 Chemical formula: C  
 NIOSH/RTECS NUMBER:N07400000  
 (ISO 11014-1 / ANSI Z 400.1-1998 / 93/112/EC)  
 EINECS number: 215-609-9  
 Effective Date: May 26, 2010

Manufacturer Information: Nature's Reflections  
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Section 2. Hazard Identification

**Ingredients**

**Occupational Exposure Limits**

Component	CAS Number	OSHA PEL	ACGIH TLV	Weight Percent
Carbon	1333-86-4	3.5 mg/m3	3.5 mg/m3	>10%
Water	7732-18-5	NA	NA	>10%
Proprietary Surfactant	9003-11-6	NA	NA	1-5%
Proprietary Surfactant	36290-04-7	NA	NA	1-3%

\*\*\*No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present\*\*\*

**Emergency Overview:** May cause respiratory tract, eye, and skin irritation.

**Potential Acute Health Effects:**

- Eyes:* Mildly irritating to the eyes. Avoid eye contact.
- Skin:* Remove contaminated clothing and cleanse thoroughly with soap and water. Seek medical attention if irritation, swelling, blistering or redness develop and persist.
- Inhalation:* Not a hazard in normal industrial use and first aid is not normally required. However, seek medical attention if any unusual symptoms develop.
- Ingestion:* Not an intended route of exposure. No evidence of adverse effects from available data. Seek medical attention if any unusual symptoms develop.

### Section 3. Composition/Information on Ingredients

**EMERGENCY OVERVIEW:** NO UNUSUAL FIRE OR SPILL HAZARD. LOW HEALTH RISK BY INHALATION.

**POTENTIAL HEALTH EFFECTS: EYES** – Mildly irritating to eyes, avoid eye contact.

**SKIN** - Wash with soap and water.

**INHALATION** - LOW HEALTH RISK BY INHALATION. Move to fresh air. Seek medical attention if irritation persists.

### Section 4. First Aid Measures

**Eye Contact:** Working conditions and safety regimentation dictates eye protection when working with mists, dust or liquids. Select glasses. Goggles or face shields adequate to avoid eye contact.

**Skin Contact:** Wash with soap and water.

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

**Ingestion:** Seek medical attention. If symptoms develop, seek medical attention.

**Note to physicians:** Treat symptomatically.

### Section 5. Fire Fighting Measures

**FLAMMABLE PROPERTIES FLASH POINT** - NONCOMBUSTIBLE

**FLAMMABLE LIMITS** - NOT APPLICABLE, WATER BASED MATERIAL

**AUTO-IGNITION TEMPERATURE** - NOT APPLICABLE

**HAZARDOUS COMBUSTION PRODUCTS:** Water based product that will not burn unless all the water is evaporated. In the unlikely event that all water is evaporated a dust cloud may form. Products of combustion include carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), and oxides of sulfur.

**EXTINGUISHING MEDIA:** USE WATER TO KEEP EXPOSED CONTAINERS COOL.

**FIRE FIGHTING INSTRUCTIONS:** FIRE FIGHTERS SHOULD WEAR NIOSH APPROVED, POSITIVE PRESSURE, SELFCONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING WHEN APPROPRIATE.

### Section 6. Accidental Release Measures

**Clean Up:** Flush spilled material into suitable retaining area or containers with water. Small amounts of spilled material may be absorbed into appropriate absorbent. Carbon black poses no significant environmental hazards. As a matter of good practice, minimize contamination of sewage water, soil, groundwater, drainage systems or bodies of water.

**Procedures:** Placed in properly labeled and closed container. Dispose of collected material according to federal, state, and local regulations.

**Spills and Leaks:** Contain the spill or leak to prevent discharges to surface streams or storm sewers. This material is a concentrated dye/pigment. Small quantities in contaminated water solutions will color large volumes.

### Section 7. Handling and Storage

**Handling:** KEEP MATERIAL FROM FREEZING. STIR WELL BEFORE USE.

**Storage:** STORE IN A CLEAN, DRY AREA AT AMBIENT TEMPERATURE IN ORIGINAL UNOPENED CONTAINERS.

### Section 8. Exposure Control/Personal Protection

**Engineering controls:** General mechanical ventilation is recommended.

**Personal Protection:**

*Eyes:* Wear safety glasses with side shields. Wear additional eye protection such as chemical goggles or face shield if splashing or spraying hazard exists. Have an eye wash station available. SAFETY GLASSES, GOGGLES, OR FACE SHIELD RECOMMENDED.

*Body:* To prevent skin contact use coveralls, apron, boots, or lab coat.

*Hands:* Avoid skin contact by using chemically resistant gloves.

*Respiratory:* NIOSH APPROVED DUST RESPIRATOR IF OVEREXPOSURE POTENTIAL EXISTS.

**EYE PROTECTION:** SAFETY GLASSES, GOGGLES, OR FACE SHIELD RECOMMENDED.

*Other:* Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure.

**General Hygiene Considerations:** Wash hands and face thoroughly with mild soap before eating and drinking. Frequent skin washing may dry skin. Application of a skin lotion is recommended. Eye protection recommended as a matter of good industrial safety practice.

### Section 9. Physical and Chemical Properties

**APPEARANCE:** BLACK LIQUID

**BOILING POINT:** 100C (212F) WATER

**VAPOR PRESSURE:** NOT APPLICABLE

**VAPOR DENSITY:** NOT APPLICABLE

**SOLUBILITY IN WATER:** DISPERSIBLE

**SPECIFIC GRAVITY:** 1.21

**BULK DENSITY:** 10.1

**pH:** 10-11

**ODOR:** LITTLE OR NO ODOR

**ODOR THRESHOLD:** NOT APPLICABLE

## Section 10. Stability and Reactivity

**CONDITIONS TO AVOID:** NONE

**MATERIALS TO AVOID:** Strong oxidizers such as chlorates, bromates and nitrates.

**HAZARDOUS POLYMERIZATION:** NONE

**HAZARDOUS DECOMPOSITION PRODUCTS:** carbon monoxide, carbon dioxide, organic products of decomposition, oxides or sulfur (sulfoxides) form if heated above decomposition temperature.

## Section 11. Toxicological Information

As with all materials for which test data are limited or do not exist, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

## Section 12. Ecological Information

### **Ecotoxicity:**

No ecological testing has been conducted on this product.

## Section 13. Disposal Considerations

For waste disposal purposes, a liquid with a pH between 2.1 and 12.4 is not defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261).

**Canada:** Not a hazardous waste under provincial regulations.

**EU:** EU Waste Code No. 61303 per Council Directive 75/422/EEC

**US:** Not a hazardous waste under U.S. RCRA, 40 CFR 261.

Product can be burned in suitable incineration plants or disposed of in a suitable landfill in accordance with the regulations of the appropriate federal, provincial, state and local authorities.

## Section 14. Transport Information

Carbon black is not classified as a hazardous material by the following country regulations/agencies:

Canadian Transport of Dangerous Goods Regulation

European Transport of Dangerous Goods Regulations

GGVS, GGVE, RID, ADR, IMDG Code, ICAO-TI

United Nations ( no UN number)

U.S. Department of Transportation

**U.S. DOT:** NOT REGULATED - ENTER THE PROPER FREIGHT CLASSIFICATION ON THE SHIPPING PAPERWORK, "MSDS NUMBER", AND "PRODUCT NAME" FOR SHIPPING PURPOSES.

**CANADIAN TDG HAZARD CLASS & PIN:** NOT REGULATED.

Section 15. Regulatory Information

Hazardous Material Information System:

Health	1
Fire Hazard	0
Physical Hazard	0
Personal Protection	X

**TSCA STATUS:** COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

**CERCLA REPORTABLE QUANTITY:** NONE

**SARA TITLE III**

**SECTION 311/312 HAZARDOUS CATAGORIES:** NONE

**SECTION 313 TOXIC CHEMICALS:** NONE

**INTERNATIONAL REGULATIONS:**

**CANADIAN DSL -** COMPONENTS ARE LISTED.

**CANADIAN WHMIS -** THIS MATERIAL IS NOT A CONTROLLED SUBSTANCE UNDER WHMIS.

**EUROPEAN COMMUNITY -** LISTED ON ECOIN, THE EUROPEAN CORE INVENTORY.

**CALIFORNIA PROPOSITION 65:** California Safe Drinking Water and Toxics Enforcement Act of 1986 (Proposition 65):

"Carbon black (airborne, unbound particles of respirable size)" is a California Proposition 65 listed substance. All three listing qualifiers (airborne, unbound (not bound within a matrix), and respirable size (10 micrometers or less in diameter)) must be met for this substance to be considered a Proposition 65 listed substance. **ARSENIC:** LESS THAN 2 ppm.

Section 16. Other Information

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