

Section 1. Product and Company Identification
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Manufacturer Information: Nature's Reflections  
108 Copeland Avenue  
Jacksonville, FL 32204

**Contact:** Mulch Manufacturing, Inc.  
**Phone:** 614.864.4004 or 614.208.7905  
**Web:** [WWW.Mulchmfg.com](http://WWW.Mulchmfg.com)

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**Product Name:** AMERICAN BROWN 1  
**Revision Date:** 6/1/15  
**Chemical Family:** Aqueous Dispersion of metal oxide  
**CAS Number:** Mixture  
**Synonyms:** Color Dispersion  
**Product Use:** Mulch Colorant

Section 2. Hazard Identification
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**Route of Entry:** Eyes, skin  
**Target Organs:** Skin, eyes  
**Inhalation:** Prolonged repeated contact may cause mild irritation  
**Skin Contact:** Prolonged repeated contact may cause mild irritation  
**Eye Contact:** Prolonged repeated contact may cause mild irritation  
**Ingestion:** No harmful affects are known to occur.

GHS Signal Word:  
WARNING

GHS Hazard Pictogram



GHS Classifications:  
Health, Skin corrosion/irritation, 3  
Health, Serious Eye Damage, Eye Irritation, 2 B  
Health, specific target organ toxicity – single exposure, 3

GHS Phrases:

- H316 – Causes mild skin irritation
- H320 – Causes eye irritation
- H335 – May cause respiratory irritation

GHS Precautionary Statements:

- P264 – Wash thoroughly after handling
- P352 – Wash with soap and water

Note that GHS hazard categories go from low hazard substances with higher number to lower numbers which are more hazardous substances.

Note:

Hazard category 3 skin hazard is the lowest level hazard meaning mild skin irritant.

Hazard category 2B eye hazard is the lowest level hazard meaning mild eye irritant.

Section 3. Composition/Information on Ingredients

**Ingredients:**

Water	7732-18-5	Proprietary amount	%
Iron Oxide	1309-37-1	Proprietary amount	%
Iron Oxide	51274-00-1	Proprietary amount	%
Carbon Black	1333-86-4	Proprietary amount	%
Propylene Glycol	57-55-6	Proprietary amount	%
Proprietary non-hazardous ingredients			

Section 4. First Aid Measures

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

**Skin Contact:** Wash with soap and water until all of chemical is removed.

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

**Ingestion:** Seek medical attention.

Section 5. Fire Fighting Measures

<b>Flammability:</b>	Non-flammable
<b>Flash Point:</b>	Non-combustible
<b>Flash Point Method:</b>	N/A
<b>Burning Rate:</b>	N/A
<b>Auto ignition Temp:</b>	N/A
<b>LEL:</b>	N/A

Section 6. Accidental Release Measures

Do not discharge into drains.

Do not dump in drains or storm water.

Pick up excess liquid with inert absorbent material and place into separate waste container.

Sweep up, place in a bag and hold for waste disposal.  
Watch out for slippery conditions when spillage occurs.  
Dispose of waste properly.  
Not Hazardous waste.

This product is not environmentally hazardous. It will however cause discoloration of soil and storm water. Avoid soil and water contamination.

### Section 7. Handling and Storage

**Handling:** Wash thoroughly after handling.  
**Storage:** Keep from freezing  
Do not store in excessive heat > 100F  
Store out of direct sunlight  
Prevent contact with storm water

### Section 8. Exposure Control/Personal Protection

**Personal Protective Equipment:** HMIS PP, B / Safety Glasses, Gloves, recommended

**Exposure Limits according to:**  
**US OSHA (TWA<sub>s</sub>) / (PEL):** None  
**ACGIH (TWA / TLV):** None

**Respiratory Protection:** Not required  
**Ventilation:** Ventilation recommended, not required  
**Protective Gloves:** Rubber gloves recommended  
**Eye Protection:** Use safety glasses  
**Other Protective Equipment:** Not required

### Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Brown liquid	<b>Odor:</b>	Faint odor
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Dispersible
<b>Odor Threshold:</b>	Not established	<b>Freezing / Melting Pt:</b>	32F
<b>Specific Gravity / Density:</b>	>1	<b>Flash Point:</b>	NA
<b>Boiling Point:</b>	212F	<b>Vapor Density:</b>	Not applicable
<b>Flammability:</b>	Not flammable	<b>Bulk Density:</b>	13.5–14.5 WPG
<b>Partition Coefficient:</b>	Unknown	<b>Auto-Ignition Temp:</b>	Not applicable
<b>Vapor Pressure:</b>	Not applicable	<b>UFL / LFL:</b>	Not applicable
<b>pH:</b>	8.5 – 9.5		
<b>Evap. Rate:</b>	<1		
<b>Decomposition Temp:</b>	Not applicable		

Section 10. Stability and Reactivity

<b>Stability:</b>	Stable and non-reactive
<b>Conditions to Avoid:</b>	Excessive heat and freezing
<b>Materials to Avoid:</b>	Strong oxidizers, aluminum powder
<b>Hazardous Decomposition:</b>	None
<b>Hazardous Polymerization:</b>	None

Section 11. Toxicological Information

**Toxicity Data:**

<b>Eye Effects:</b>	May be irritating
<b>Skin Effects:</b>	May be irritating
<b>Acute Inhalation Effects:</b>	None
<b>Chronic Effects:</b>	None
<b>Carcinogenicity:</b>	Not know to be carcinogenic
<b>Mutagenicity:</b>	Not know to be mutagenic
<b>Teratogenicity:</b>	Not know to be teratogenic

**Acute Oral Effects:**

No toxicological testing has been conducted since no toxicological effects are expected. May cause slight irritation but is not expected to produce adverse effects. Not intended for ingestion.

Section 12. Ecological Information

Ecological testing has not been performed on this product  
Dispose of contents and container properly  
Do not dump  
Contents will cause discoloration of soil and water

Section 13. Disposal Considerations

Dispose of contents properly  
Dispose of containers properly  
Containers can be reused or recycled  
Free IBC disposal call: 1.888.SCHUETZ or 1.888.724.8389  
Product is not a hazardous waste under US or Canadian regulation

Section 14. Transport Information

<b>UN #:</b>	Not classified
<b>US DOT:</b>	Not classified
<b>UN Shipping Class:</b>	Not classified
<b>UN Packing Group:</b>	Not Classified

## Section 15. Regulatory Information

### **International Inventories and U.S. Regulations:**

All components of this product are listed on or are exempt from the following inventories:

- RCRA This mixture and or its contents are not a hazardous waste if disposal is required.  
CERCLA Components of this mixture are not CERCLA hazardous substances  
CONEG This mixture and or its contents meet the CONEG limits for the sum of the levels of Lead, Cadmium, Mercury and Hexavalent Chromium of less than 100 PPM by weight  
HAP This mixture does not contain any Hazardous Air Pollutants  
ODC This mixture does not contain any Ozone Depleting Compounds  
TOX This mixture does not contain any Organic Halogens (EPA 9020)  
CWA (40 CFR 116) This mixture does not contain a Clean Water Act listed priority pollutant  
CAA of 1990

This mixture is not made with not does it contain any Class 1 or Class 2 ozone depleting substances as defined under the 1990 amendments to the act

SARA (302)

This mixture does not contain any constituents that are identified as extremely hazardous

SARA (311/312)

Not reportable

SARA (313)

This mixture does not contain any constituents identified under Section 313 as toxic chemicals in Excess of the de minimis concentrations necessary to be subject to this rule

CA Prop 65

This product contains a chemical(s) known to the state of California to cause cancer and/or birth defects or other reproductive harm. Pursuant to the California Safe Drinking Water and Toxic Enforcement Act of 1986, we are required to provide the above warning in the absence of definitive testing showing that risks from long-term exposure to chemicals present in our formulations do not exist. To the best of our knowledge, this product complies with all Federal and State laws and regulations governing its manufacturing, distribution and intended use.

## Section 16. Other Information

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