

SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Rainbow Raw Umber
Product Form: Mixture
1.2 Product Use: Pigment for Cement and Gypsum Products
1.3 Supplier/Manufacturer: Empire Blended Products Inc.
250 Hickory Lane
Bayville, NJ 08721
Phone Number: (732) 269-4949
1.4 Emergency Number: CHEMTREC (800) 424-9300

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the Chemical:

Hazard Class:

Carcinogenicity 1A

Specific target organ toxicity (repeated exposure) 1

2.2 Label Elements:

Hazard Pictogram:



Signal Word: Danger

Hazard Statement: May cause cancer (inhalation). Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation).

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands, forearms and exposed areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection, protective clothing, and protective gloves.

Response: If exposed or concerned, get medical advice/attention. Get medical advice/attention if you feel unwell.

Storage: Store locked up.

Disposal: Dispose of contents and container in accordance with all local, regional, national, and international regulations.

2.3 Additional Information:

Hazards not otherwise classified: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures:

Ingredient	CAS #	Wt. %	GHS-US Classification
Umber	12713-03-0	93-95 %	Not Classified
Quartz	14808-60-7	2-3 %	Carc. 1A, STOT SE 3, STOT RE 1
Iron Oxide Yellow	51274-00-1	1-2 %	Not Classified
Iron Oxide Red	1309-37-1	0.5-1 %	Not Classified
Carbon Black	1333-86-4	0.2-0.5 %	Carc. 2

Section 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

- Eye:** In case of contact, rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
- Skin:** In case of contact, rinse immediately with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.
- Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
- Ingestion:** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor/physician if any problems arise.

4.2 Most Important Symptoms and Effects, both Acute and Delayed:

- Eye:** May cause eye irritation.
- Skin:** May cause skin irritation.
- Inhalation:** Repeated exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Repeated or prolonged inhalation may damage lungs. May cause cancer.
- Ingestion:** Ingestion is not likely to be harmful or have adverse effects.

4.3 Indication of Any Immediate Medical Attention and Special Treatments Needed: N/A

Section 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

- Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.
- Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire. Application of water stream to hot product may cause frothing and increase fire intensity.

5.2 Special Hazards Arising From the Substance or Mixture:

- Fire Hazard:** Not considered flammable but may burn at high temperatures.
- Explosion Hazard:** Product is not explosive.
- Reactivity:** Hazardous reactions will not occur under normal conditions.

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5.3 Special Protective Equipment and Precautions for Fire Fighters:

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Avoid all contact with skin, eyes, or clothing. Avoid breathing dust. Use appropriate personal protection equipment. Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2 Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.2 Methods and Materials for Containment/Cleanup:

Methods for Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleanup: Clear up spill immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Section 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

General Hygiene Advice: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work,

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Storage: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/store away from direct sunlight, extremely high or low temperatures and incompatible materials. Comply with applicable regulations.

Incompatible Products: Strong acids, strong bases, strong oxidizers.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control Parameters:

Exposure Guidelines:

Ingredient	ACGIH TWA	NIOSH REL (TWA)	US IDLH	OSHA PEL
Quartz	0.025 mg/m ³	0.05 mg/m ³	50 mg/m ³	250 mppcf /%SiO ₂ +5 10 mg/m ³ / %SiO ₂ +2
Carbon Black	3 mg/m ³	0.1 mg/m ³	1750 mg/m ³	3.5 mg/m ³
Iron Oxide Red	5 mg/m ³	5 mg/m ³	2500 mg/m ³	5 mg/m ³ (resp fract)
Particulates not otherwise classified	3 mg/m ³ (resp fract) 10 mg/m ³ (dust)			5 mg/m ³ (resp fract) 15 mg/m ³ (dust)

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8.2 Exposure Controls:

Engineering Controls: Ensure adequate ventilation, especially in confined area. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

8.3 Individual Protective Measures:

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection. Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established occupational exposure limits.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance: Powder

Color: Brown

Odor: None

Odor Threshold: N/A

Physical State: Solid

pH: 7-8

Viscosity: N/A

Freezing Point: N/A

Boiling Point: N/A

Melting Point: >1000 °C (1832 °F)

Flash Point: Not flammable

Evaporation Rate: N/A

Flammability (solid, gas): Solid, not flammable

Vapor Pressure: N/A

Vapor Density: N/A

Relative Density: N/A

Specific Gravity: 2.8

Bulk Density: N/A

Lower Explosion Limit: N/A

Upper Explosion Limit: N/A

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Solubility: Insoluble

Auto-ignition Temperature: Not flammable

Percent Volatile, wt. %: N/A

VOC Content, wt. %: N/A

Section 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Hazardous reactions will not occur under normal conditions
- 10.2 Chemical Stability:** Stable under recommended handling and storage conditions.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
- 10.5 Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6 Hazardous Decomposition Products:** Carbon oxides, silicon oxides, sulfur oxides, methane.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Ingestion is not likely to be harmful or have adverse effects.

Inhalation: Repeated exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis.

Acute Toxicity:

<u>Ingredient</u>	<u>LD50- Oral</u>	<u>LD50- Dermal</u>
Quartz	>5000 mg/kg, rat	>5000 mg/kg, rat
Carbon Black	>8000 mg/kg, rat	

11.2 Delayed, Immediate and Chronic Effects of Short- and Long- Term Exposure:

- Skin Corrosion/Irritation:** Not classified
- Serious Eye Damage/Irritation:** Not classified
- Respiratory Sensitization:** Not classified
- Skin Sensitization:** Not classified
- STOT-Single Exposure:** Not classified
- Chronic Health Effects:** May cause cancer by inhalation
- Carcinogenicity:** May cause cancer by inhalation.

<u>Ingredient</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Quartz	1	Proven	N/A
Carbon Black	2B	N/A	N/A

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Germ Cell Mutagenicity: Not classified
Reproductive Toxicity: Not classified
STOT-Repeated Exposure: Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation).
Aspiration Hazard: Not classified
Other Information: N/A

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

<u>Ingredient Name</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
Carbon Black	EC50 5600 mg/l	Daphnia magna	24 hours

12.2 Persistence and Degradability: N/A

12.3 Bioaccumulative Potential: N/A

12.4 Mobility in Soil: N/A

12.5 Other Adverse Effects: N/A

Section 13: DIPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Disposal Method: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Other disposal recommendations: Avoid release to the environment.

Section 14: TRANSPORTATION INFORMATION

14.1 DOT (US): Not regulated

14.2 IMDG: Not regulated

14.3 IATA: Not regulated

Section 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations Specific for the Chemical:

SARA Section 311/312 Hazard Class: Delayed (chronic) health hazard

Listed on TSCA (Toxic Substances Control Act) Inventory:

Quartz (CAS# 14808-60-7)
Umber (CAS# 12713-03-0)
Carbon Black (CAS# 1333-86-4)
Iron Oxide Red (CAS# 1309-37-1)
Iron Oxide Yellow (CAS# 51274-00-1)

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STATE REGULATIONS:

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

<u>Ingredient</u>	<u>CAS#</u>	<u>State Code</u>
Quartz	14808-60-7	MA- RTK, NJ- RTK HS, PA- RTK
Carbon Black	1333-86-4	MA- RTK, NJ- RTK HS, PA- RTK, PA- RTK HS
Talc	14807-96-6	MA- RTK, NJ- RTK HS, PA- RTK

Massachusetts Right to Know List: MA- RTK

New Jersey Right to Know Hazardous Substance List: NJ- RTK HS

Pennsylvania Right to Know List: PA- RTK

Pennsylvania Right to Know Special Hazardous Substances: PA- RTK HS

California Prop. 65: This product contains Quartz and Carbon Black which are known to the State of California to cause cancer.

INTERNATIONAL REGULATIONS:

EINECS (EU) – All of the ingredients contained in this product are either listed or exempt. Those exemptions are in accordance with (EC) No. 1907/2006, Article 2(7)(b), for naturally occurring ores.

DSL (Canada) – All components of this blend are listed, including those listed by way of a naturally occurring ore. CEPA 1999, Section 2.2.1.4.

China (IECSC) – All ingredients are listed.

Japan (METI) – All ingredients are either listed, or exempt as naturally occurring minerals.

Australia (AICS) – All ingredients are listed.

Philippines (PICCS) – All ingredients are listed or exempt as naturally occurring substances.

New Zealand (NZIOC) – All ingredients are listed.

HMIS (Hazardous Material Information System) Rating:

Health:	1
Fire:	0
Reactivity:	0
Personal Protection:	E

Section 16: OTHER INFORMATION

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