Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product ID: Proprietary Blend
Product Name: **Arizona Flagstone ADVANCED SUSPENSION**
Product Use: Colorant product
Print date: 1/APRIL/2010
Revision Date: 1/ APRIL/2010

Company Identification

Granicrete International, Inc é Aurastone International
3420 S. 7th Street, Suite 6
Phoenix, AZ 85040
Toll Free: 1-866-438-9464

24-Hour Medical Emergency
Phone: **PERS:** 1-800-633-8253

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Common Name CAS-No.	**Approx. Weight** %	**Chemical name**
TALC 14807-96-6	15-20	TALC (MG3H2(SI03)4)
ETHYLENE GLYCOL 107-21-1	15-20	1,2-Ethanediol
IRON OXIDE 1309-37-1	12-16	IRON OXIDE (Fe203)
DIETHYLENE GLYCOL 111-46-6	5-10	Diethylene glycol
ETHOXYLATED DODECYLPHENOL 9014-92-0	1-5	PROPRIETARY ADDITIVE
SODIUM HYDROXYPROPYL 740817-93-0	1-10	PROPRIETARY ADDITIVE
PROPRIETARY PIGMENT	1-5	PROPRIETARY PIGMENT
VAN DYKE BROWN PIGMENT 79586-95-1	1-5	C. I. PIGMENT BROWN 9 77430
CARBON BLACK 1333-86-4	1-5	CARBON BLACK
CRYSTALLINE SILICA 14808-60-7	0.1-1	QUARTZ (Si02)

If this section is blank there are no hazardous components per OSHA guidelines.

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure:
Inhalation
Ingestion
Skin absorption

This product contains ingredients that may contribute to the following potential acute health effects:

Inhalation Effects:
May cause irritation of the respiratory tract. May irritate the lungs. Dust can cause irritation of eyes, nose and respiratory tract. May cause mucous membrane irritation.

Eye Contact:
May cause moderate eye irritation. May cause delayed eye irritation.

Skin Contact:
May cause moderate skin irritation.

Acute Ingestion:
Irritation of gastrointestinal tract.

Other Effects:
None known

This product contains ingredients that may contribute to the following potential chronic health effects:

Prolonged exposure over TLV may produce pneumoconiosis. Prolonged exposure to respirable crystalline quartz silica may cause delayed chronic injury (silicosis). May cause eye damage and pain. May cause dermatitis. Possible birth defects hazard. Contains ingredients which may cause birth defects based on animal data. May cause damage to the nervous system. May cause kidney damage. May cause liver damage. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk of cancer depends on duration and level of exposure.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

4. FIRST AID MEASURES

Inhalation:
If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Eye Contact:
In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact:
In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention.

Ingestion:
Get immediate medical attention. If swallowed, contact medical personnel immediately to determine best course of action.

Medical conditions aggravated by exposure: Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	>200°F (93°C) TCC/PM
Lower explosive limit:	Not available. %
Upper explosive limit:	Not available. %
Autoignition temperature:	Not available. ° F (°C)
Sensitivity to impact:	No.
Sensitivity to static discharge:	Sensitivity to static discharge is not expected.

5. FIRE FIGHTING MEASURES

Hazardous combustion products: See Section 10.

Unusual fire and explosion hazards:
None known.

Extinguishing media:
Carbon dioxide, dry chemical, foam, BC/ABC extinguisher

Fire fighting procedures:
Use water spray to cool nearby containers and structures exposed to fire. Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:
Ventilate area. Avoid breathing of vapors. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 5, "Unusual Fire and Explosion Hazards" for proper container and storage procedures. Avoid contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:
Keep container closed when not in use.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:
Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

Skin protection:
Appropriate chemical resistant gloves should be worn.To prevent skin contact wear protective clothing covering all exposed areas.

Respiratory protection:
If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation
Required when spraying or applying in confined area.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

Common Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
TALC 14807-96-6	20-25	Respirable. Listed. Total dust. Listed.		
IRON OXIDE 1309-37-1	12-16	5 mg/m^3 Respirable fraction. 15 mg/m^3 Total dust. Respirable fraction. Listed. Total dust. Listed.		

Common Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
CARBON BLACK 1333-86-4	1-5	3.5 mg/m^3		
PROPRIETARY PIGMENT	1 -5	5 mg/m^3 Respirable fraction. 15 mg/m^3 Total dust. Respirable fraction. Listed. Total dust. Listed.		
CRYSTALLINE SILICA 14808-60-7	0.1 -1	Respirable. Listed. Total dust. Listed.		

ACGIH Threshold Limit Value (TLVs)

Common Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
TALC 14807-96-6	20-25	2 mg/m^3 Respirable fraction. The value is for particulate matter containing no asbestos and <1% crystalline silica.			
ETHYLENE GLYCOL 107-21-1	20-25			100 mg/m^3 Aerosol.	
IRON OXIDE 1309-37-1	12-16	5 mg/m^3 Dust and fume. Fe			
PROPRIETARY PIGMENT	1 -5	10 mg/m^3 Inhalable particles. 3 mg/m^3 Respirable particles.			
CARBON BLACK 1333-86-4	1-5	3.5 mg/m^3			
CRYSTALLINE SILICA 14808-60-7	0.1 -1	0.05 mg/m^3 Respirable fraction.			

If this section is blank, no information is available.

9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	Liquid
pH:	Not determined
Vapor pressure:	Not determined mmHG @ 68° F (20° C)
Vapor density (air = 1.0):	3.7
Boiling point:	387° F(197° C)
Solubility in water:	Soluble
Coefficient of water/oil distribution:	Not determined.
Density (lbs per US gallon):	12.33
Specific Gravity:	1.48
Evaporation rate (butyl acetate =1.0):	Not determined.

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	None known
Incompatibility:	Strong oxidizers
Hazardous Polymerization:	None anticipated
Hazardous Decomposition Products:	Silicone dioxide. Carbon monoxide and carbon dioxide. Metal oxide fumes.

Sensitivity to static discharge: Sensitivity to static discharge is not expected.

11. TOXICOLOGICAL INFORMATION

Mutagens:

Teratogens:
Contains crystaline silica. The IARC has determined that crystaline silica inhaled in the form of quartz or cristobablite from occupational sources is carcinogenic to humans (group 1). Refer to IARC monograph 68 in conjunction with the use of these materials. Risk of cancer depends on the duration and level of exposure. In coatings products, risk is due primarily to inhalation of sanding dusts or respirable particles in spray mists. The NTP has also determined that crystaline silica is **a** known human carcinogen in the form of fine, breathable particles. Risk of cancer depends on duration and level of exposure in coatings products, risk is due primarily to inhalation of sanding dust or respirable particles in spray mist

Common Name CAS-No.	Approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - Limited Human Data	IARC Group 2B - Sufficient Animal Data
CARBON BLACK 1333-86-4	1-5			Monograph 65, 1996
CRYSTALLINE SILICA 14808-60-7	0.1 -1	Monograph 68, 1997; (inhaled in the form of quartz or cristobalite from occupational sources)		

Common Name CAS-No.	Approx. Weight %	NTP Known Carcinogen	NTP Suspect Carcinogens	NTP Evidence of
TALC 14807-96-6	20-25			male rat-some evidence; female rat-clear evidence; male mice-no evidence; female mice-no evidence
CRYSTALLINE SILICA 14808-60-7	0.1 -1	Known carcinogen.		

Common Name CAS-No.	Approx. Weight %	OSHA Select	OSHA Possible Select Carcinogens	ACGIH Carcinogens
CRYSTALLINE SILICA 14808-60-7	0.1-1			Group A2 Suspected human carcinogen.

12. ECOLOGICAL DATA

Not available at this time.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

Proper Shipping Name: PAINT, NOT REGULATED
UN ID Number: NRPAIN

U.S. Highway & Rail Shipments

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

International Air Transport Association:

Proper Shipping Name: PAINT, NOT REGULATED
UN ID Number: NRPAIN

International Maritime Organization:

Proper Shipping Name: PAINT, NOT REGULATED
Non-Bulk UN ID Number: NRPAIN

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

Common Name CAS-No.	**Approx. Weight** %	**SARA 302**	**SARA 313**	**CERCLA RQ in lbs.**
ETHYLENE GLYCOL 107-21-1	20-25		form R reporting required for 1.0% de minimis concentration	5000
VAN DYKE BROWN PIGMENT 79586-95-1	1 -5		YES	

SARA 311/312 Hazard Class:

Acute: Yes
Chronic: Yes
Flammability: No
Reactivity: No
Sudden Pressure: No

U.S. STATE REGULATIONS:

Pennsylvania Right To Know:

CARBON BLACK	1333-86-4
DIETHYLENE GLYCOL	111-46-6
PROPRIETARY PIGMENT	Trade Secret
TALC	14807-96-6
ETHYLENE GLYCOL	107-21-1
VAN DYKE BROWN PIGMENT	79586-95-1
ETHOXYLATED DODECYLPHENOL	9014-92-0
IRON OXIDE	1309-37-1

Additional Non-Hazardous Materials

RAW UMBER	12713-03-0
POLYETHYLENE GLYCOL	25322-68-3
WATER	7732-18-5

California Proposition 65:
WARNING: This product contains a chemical known to the State of California to cause cancer.

Rule 66 status of product Not photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories

TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

HMIS Codes

Health:	3
Flammability:	1
Reactivity:	1
PPE:	X - See Section 8 for Personal Protective Equipment (PPE).

Abbreviations:
OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million. PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

Disclaimer:
The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. GRANICRETE and AURASTONE assume no obligation or liability for use of this information and make NO WARRANTIES TO THIS PRODUCT, EXPRESS OR IMPLIED.