

GRANICRETE INTERNATIONAL, INC.

Material Safety Data Sheet

1. Chemical Product and Company Identification

GRANICRETE INTERNATIONAL, INC.

3420 S. 7TH STREET, Suite 6

Phoenix, Arizona 85040

Telephone Number: (602) 438-9464

24-Hour Emergency Telephone Number: PERS: 1-800-633-8253

Product Name: Groutline Gray - Dispersion

Synonyms: Pigment Dispersion

Product Use / Class: Non-aqueous Colorant

HMIS Classification: H F R

2 2 0

Prepared By: Granicrete Loss Control

Preparation Date: April 05, 2002

Review Dates: April 05, 2002

2. Composition, Information on Ingredients

| INGREDIENTS/COMPONENTS | CAS# | WT% |
|---------------------------------------|--------------|-----|
| n-Butyl alcohol | 000071-36-3 | 1-5 |
| Isobutyl alcohol | 000071-36-3 | 1-5 |
| Isobutyl acetate | 000071-36-3 | 1-5 |
| Chromium (III) Oxide | 000071-36-3 | 1-5 |
| Iron Oxide | 000071-36-3 | 1-5 |
| Maganese trioxide | 000071-36-3 | 1-5 |
| Pigment NJTSR No. 56705700001-5750P | Trade Secret | 1-5 |
| VM&P Naptha | 000071-36-3 | 1-5 |
| Mineral Spirits | 000071-36-3 | 1-5 |
| Surfacant NJTSR No. 56705700001-5384P | 000071-36-3 | 1-5 |
| Silica, crystalline (quartz) | 000071-36-3 | 1-5 |
| Surfacant NJTSR No. 56705700001-5055P | 000071-36-3 | 1-5 |
| Aliphatic petroleum distillates | 000071-36-3 | 1-5 |
| Aliphatic petroleum distillates | 000071-36-3 | 1-5 |

* See Section 8 for Exposure Guidelines

3. Hazards Identification

Emergency Overview : May cause eye, skin and respiratory tract irritation. Flammable liquid and vapor.

Potential Health Effects:

Eye Contact: According to test results on similar colorant base mixtures, this product is classified as a moderate eye irritant. May cause tearing, reddening and/or swelling.

Skin Contact: Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before reuse.

Inhalation: Remove to fresh air. If not breathing give CPR. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion: Aspiration of material into the lungs may cause chemical pneumonitis (damage to lungs) which may be fatal. If swallowed, do NOT induce vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. Get medical attention immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flash Point: 82 degrees F
Flash Point Method: Pensky-Martens C.C.
OSHA Flammability Classification: Flammable Liquid

Lower Explosive Limit: Not available
Upper Explosive Limit: Not available
Autoignition Temperature: Not determined

Other Flammable Properties: Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

Extinguishing Media: Use water spray or fog, foam, dry chemical or CO2.

Fire Fighting Procedures: Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA -NIOSH approved or equivalent) and full protective gear.

6. Accidental Release Measures

Steps to be taken in case material is released or spilled: Remove sources of ignition and ventilate area. Use a respirator and other protective equipment as outlined in section 8. Absorb spill with inert material, then place in a chemical waste container. After removal, flush contaminated area with water and collect for disposal. Clean up spills immediately. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate lakes, streams, ponds, groundwater or soil.

8. Exposure Controls / Personal Protection

EXPOSURE LIMITS

| | <u>Value</u> | <u>Limit</u> | <u>Reference</u> |
|--------------------------------------------|--------------|--------------|------------------|
| Mineral Spirits | 500 PPM | TWA | OSHA |
| | 100 PPM | TWA | ACGIH |
| | N.E. | STEL | OSHA/ACGIH |
| | 525 MG/M3 | TWA | ONTAR |
| NJTSR No. 56705700001-5384P | N.E. | TWA | OSHA/ACGIH |
| | N.E. | STEL | OSHA/ACGIH |
| Silica, crystalline (Quartz) | .01 mg/m3 | TWA | OSHA/ACGIH |
| | N.E. | STEL | OSHA/ACGIH |
| NJTSR No. 56705700001-5055P | .01 mg/m3 | TWA | OSHA/ACGIH |
| | N.E. | STEL | OSHA/ACGIH |
| Aliphatic petroleum Distillates | 500 PPM | TWA | OSHA |
| | 100 PPM | TWA | ACGIH |
| | N.E. | STEL | OSHA/ACGIH |
| Aliphatic petroleum Distillates | N.E. | TWA | OSHA/ACGIH |
| | N.E. | STEL | OSHA/ACGIH |

Engineering Controls : Use process enclosures, local exhaust ventilation or other engineering controls to control airborne exposure. Use explosion-proof ventilation equipment.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Eye Protection: Use chemical splash goggles.

Skin Protection: Use impermeable gloves.

Other Protective Equipment: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment is accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. Physical and Chemical Characteristics

Vapor Pressure: Not Available

Vapor Density: Is heavier than air

Specific Gravity: ~1.3

12. Ecological Information

No Information Available.

13. Disposal Considerations

Disposal Methods: Waste must be disposed of in accordance with federal, state, provincial and local regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRICAL OR GAS TORCH.

Container disposal: Empty containers by removing the top and inverting to allow all free flowing product to drain. To meet regulatory criteria, the container is considered empty when less than 3% remains in the container. Additional handling is not typically required and the empty container can be discarded with other non-hazardous trash.

Note: Local disposal regulations may be more stringent and require additional restrictions or precautions. Customers should check with their local disposal company, municipal or state authority. Recycle of plastic or metal containers may require clean rather than empty containers. In this case the containers can be rinsed with mineral spirits until the containers are considered generally product free.

14. Transportation Information

U.S. DOT Transport Information

Proper Shipping Name: Paint Related Material **Hazard Class:** 3 **Packing Group:** III
RQ (lbs.): None **ID Number:** UN1263 **ERG Number:** 127 **Hazard Subclasses:** None
Transport Label(s) Required: FLAMMABLE LIQUID

15. Regulatory Information

U.S. FEDERAL REGULATIONS

OSHA: This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:
NONE

This product contains the following substances known to the State of California to cause adverse reproductive effects:
NONE

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:
NONE

Other State Regulation Information:

Note: Silica, crystalline (airborne particles of respirable size) is listed as a carcinogen under California Proposition 65. However, the physical form of this product (a free flowing paste) precludes exposure to airborne particles of respirable size.

INTERNATIONAL REGULATIONS

Summary of International Chemical Inventory Status

| | |
|-------------|------------------|
| Canada | On Inventory |
| Europe | On Inventory |
| South Korea | Not on Inventory |
| Australia | On Inventory |