

## 1. Identification

|                                      |                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product identifier</b>            | <b>TTS GROUT FILLER - Course, Medium, Fine</b>                                                                                                                                                                                                                                                                                      |
| <b>Other means of identification</b> | Not available.                                                                                                                                                                                                                                                                                                                      |
| <b>Recommended use</b>               | Not available.                                                                                                                                                                                                                                                                                                                      |
| <b>Recommended restrictions</b>      | Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations. |

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

|                                           |                                                                     |
|-------------------------------------------|---------------------------------------------------------------------|
| <b>Company Name</b>                       | ErgonArmor, a division of Ergon Asphalt & Emulsions, Inc.           |
| <b>Address</b>                            | 2829 Lakeland Drive<br>Jackson, MS 39232<br>USA                     |
| <b>After hours telephone number</b>       | 1-800-222-7122                                                      |
| <b>Normal work hours telephone number</b> | 1-877-982-7667                                                      |
| <b>Website</b>                            | www.ergonarmor.com                                                  |
| <b>E-mail</b>                             | sds@ergon.com                                                       |
| <b>Emergency 24-hour telephone number</b> | CHEMTREC: North America 1-800-424-9300 International 1-800-527-3887 |
| <b>Information on operation hours</b>     | 8:00 a.m. to 5:00 p.m.                                              |

## 2. Hazard(s) identification

|                              |                 |             |
|------------------------------|-----------------|-------------|
| <b>Physical hazards</b>      | Not classified. |             |
| <b>Health hazards</b>        | Carcinogenicity | Category 1B |
| <b>Environmental hazards</b> | Not classified. |             |
| <b>OSHA defined hazards</b>  | Not classified. |             |

#### Label elements



|                                                  |                                                                                                                                                                                              |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>                               | Danger                                                                                                                                                                                       |
| <b>Hazard statement</b>                          | May cause cancer.                                                                                                                                                                            |
| <b>Prevention</b>                                | Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. |
| <b>Response</b>                                  | IF exposed or concerned: Get medical advice/attention.                                                                                                                                       |
| <b>Storage</b>                                   | Store locked up.                                                                                                                                                                             |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                          |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.                                                                                                                                                                                  |
| <b>Supplemental information</b>                  | None.                                                                                                                                                                                        |

## 3. Composition/information on ingredients

#### Mixtures

| Chemical name | Common name and synonyms | CAS number | %   |
|---------------|--------------------------|------------|-----|
| QUARTZ        |                          | 14808-60-7 | 100 |

## 4. First-aid measures

|                   |                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b> | Move to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. If breathing is difficult, give oxygen. Get medical attention. |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                               |                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b>                                                           | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. |
| <b>Eye contact</b>                                                            | In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. Get medical attention.                                                                                                                                        |
| <b>Ingestion</b>                                                              | Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention.                                                                                            |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Not available.                                                                                                                                                                                                                                                            |
| <b>Indication of immediate medical attention and special treatment needed</b> | In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.                                                                                                                                                    |
| <b>General information</b>                                                    | IF exposed or concerned: Get medical advice/attention. Keep victim warm. Keep victim under observation. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                                  |

## 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                  |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                                          |
| <b>Unsuitable extinguishing media</b>                                | Not available.                                                                                                                                                   |
| <b>Specific hazards arising from the chemical</b>                    | Not applicable.                                                                                                                                                  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| <b>Fire-fighting equipment/instructions</b>                          | In the event of fire, cool tanks with water spray.                                                                                                               |
| <b>Specific methods</b>                                              | Cool containers exposed to flames with water until well after the fire is out.                                                                                   |

## 6. Accidental release measures

|                                                                            |                                                                     |
|----------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Wear appropriate protective equipment and clothing during clean-up. |
| <b>Methods and materials for containment and cleaning up</b>               | Not available.                                                      |

## 7. Handling and storage

|                                                                     |                                                                                                                         |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Do not breathe dust. Do not get in eyes, on skin, on clothing. Use only with adequate ventilation.                      |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep container tightly closed. Keep out of reach of children. Store in a cool, dry place. Use care in handling/storage. |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components              | Type | Value     | Form        |
|-------------------------|------|-----------|-------------|
| QUARTZ (CAS 14808-60-7) | TWA  | 0.3 mg/m3 | Total dust. |
|                         |      | 0.1 mg/m3 | Respirable. |
|                         |      | 2.4 mppcf | Respirable. |

#### US. ACGIH Threshold Limit Values

| Components              | Type | Value       | Form                 |
|-------------------------|------|-------------|----------------------|
| QUARTZ (CAS 14808-60-7) | TWA  | 0.025 mg/m3 | Respirable fraction. |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components              | Type | Value      | Form             |
|-------------------------|------|------------|------------------|
| QUARTZ (CAS 14808-60-7) | TWA  | 0.05 mg/m3 | Respirable dust. |

|                                |                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological limit values</b> | No biological exposure limits noted for the ingredient(s).                                                                          |
| <b>Exposure guidelines</b>     | Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled. |

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appropriate engineering controls</b>                                      | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas. |
| <b>Individual protection measures, such as personal protective equipment</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Eye/face protection</b>                                                   | Goggles/face shield are recommended.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Hand protection</b>                                                       | Wear protective gloves.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Skin protection</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Other</b>                                                                 | Wear appropriate clothing to prevent any possibility of skin contact with solutions containing 10% or more of this chemical.                                                                                                                                                                                                                                                                                                                             |
| <b>Respiratory protection</b>                                                | When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.                                                                                                                                                                                                                                                                                                                                         |
| <b>Thermal hazards</b>                                                       | Not available.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>General hygiene considerations</b>                                        | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.                                                                                                                                                                                                                                    |

## 9. Physical and chemical properties

|                                                     |                                  |
|-----------------------------------------------------|----------------------------------|
| <b>Appearance</b>                                   | Powder.                          |
| <b>Physical state</b>                               | Solid.                           |
| <b>Form</b>                                         | Powder                           |
| <b>Color</b>                                        | Red. Black. Grey. Natural color. |
| <b>Odor</b>                                         | Odorless.                        |
| <b>Odor threshold</b>                               | Not available.                   |
| <b>pH</b>                                           | Not available.                   |
| <b>Melting point/freezing point</b>                 | Not available.                   |
| <b>Initial boiling point and boiling range</b>      | Not available.                   |
| <b>Flash point</b>                                  | Not available.                   |
| <b>Evaporation rate</b>                             | Not available.                   |
| <b>Flammability (solid, gas)</b>                    | Not available.                   |
| <b>Upper/lower flammability or explosive limits</b> |                                  |
| <b>Flammability limit - lower (%)</b>               | Not available.                   |
| <b>Flammability limit - upper (%)</b>               | Not available.                   |
| <b>Explosive limit - lower (%)</b>                  | Not available.                   |
| <b>Explosive limit - upper (%)</b>                  | Not available.                   |
| <b>Vapor pressure</b>                               | Not available.                   |
| <b>Vapor density</b>                                | Not available.                   |
| <b>Relative density</b>                             | Not available.                   |
| <b>Solubility(ies)</b>                              |                                  |
| <b>Solubility (water)</b>                           | Insoluble                        |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                   |
| <b>Auto-ignition temperature</b>                    | Not available.                   |
| <b>Decomposition temperature</b>                    | Not available.                   |
| <b>Viscosity</b>                                    | Not available.                   |

## 10. Stability and reactivity

|                                           |                                             |
|-------------------------------------------|---------------------------------------------|
| <b>Reactivity</b>                         | Not available.                              |
| <b>Chemical stability</b>                 | Material is stable under normal conditions. |
| <b>Possibility of hazardous reactions</b> | Not available.                              |
| <b>Conditions to avoid</b>                | None under normal conditions.               |

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| <b>Incompatible materials</b>           | Strong oxidizing agents. Strong bases. |
| <b>Hazardous decomposition products</b> | Oxides of silicon.                     |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                 |
|---------------------|---------------------------------|
| <b>Ingestion</b>    | Not available.                  |
| <b>Inhalation</b>   | May cause cancer by inhalation. |
| <b>Skin contact</b> | Not available.                  |
| <b>Eye contact</b>  | Harmful in contact with eyes.   |

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

|                                          |                                           |
|------------------------------------------|-------------------------------------------|
| <b>Acute toxicity</b>                    | Not available.                            |
| <b>Skin corrosion/irritation</b>         | Not available.                            |
| <b>Serious eye damage/eye irritation</b> | Harmful in contact with eyes. None known. |

### Respiratory or skin sensitization

|                                  |                |
|----------------------------------|----------------|
| <b>Respiratory sensitization</b> | Not available. |
| <b>Skin sensitization</b>        | None known.    |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Hazardous by OSHA criteria. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

### IARC Monographs. Overall Evaluation of Carcinogenicity

QUARTZ (CAS 14808-60-7) 1 Carcinogenic to humans.

### US. National Toxicology Program (NTP) Report on Carcinogens

QUARTZ (CAS 14808-60-7) Known To Be Human Carcinogen.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

|                                                           |                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Reproductive toxicity</b>                              | Not classified.                                                                    |
| <b>Specific target organ toxicity - single exposure</b>   | Not available.                                                                     |
| <b>Specific target organ toxicity - repeated exposure</b> | Not available.                                                                     |
| <b>Aspiration hazard</b>                                  | Not available.                                                                     |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |
| <b>Further information</b>                                | This product has no known adverse effect on human health.                          |

## 12. Ecological information

|                                      |                                                  |
|--------------------------------------|--------------------------------------------------|
| <b>Ecotoxicity</b>                   | Not expected to be harmful to aquatic organisms. |
| <b>Persistence and degradability</b> | Not available.                                   |
| <b>Bioaccumulative potential</b>     | Not available.                                   |
| <b>Mobility in soil</b>              | Not available.                                   |
| <b>Other adverse effects</b>         | Not available.                                   |

## 13. Disposal considerations

|                                              |                                                        |
|----------------------------------------------|--------------------------------------------------------|
| <b>Disposal instructions</b>                 | Dispose in accordance with all applicable regulations. |
| <b>Hazardous waste code</b>                  | Not regulated.                                         |
| <b>Waste from residues / unused products</b> | Not available.                                         |

**Contaminated packaging** Not available.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to** Not available.

**Annex II of MARPOL 73/78  
and the IBC Code**

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312** No  
**Hazardous chemical**

**SARA 313 (TRI reporting)**  
Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US. Massachusetts RTK - Substance List

QUARTZ (CAS 14808-60-7)

#### US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

#### US. Pennsylvania RTK - Hazardous Substances

QUARTZ (CAS 14808-60-7)

#### US. Rhode Island RTK

Not regulated.

#### US. California Proposition 65

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

QUARTZ (CAS 14808-60-7)

Listed: October 1, 1988

### International Inventories

| Country(s) or region | Inventory name                                     | On inventory (yes/no)* |
|----------------------|----------------------------------------------------|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS) | Yes                    |
| Canada               | Domestic Substances List (DSL)                     | Yes                    |

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Issue date</b>           | 01-23-2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Revision date</b>        | 12-30-2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Version #</b>            | 02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Further information</b>  | HMIS® is a registered trade and service mark of the NPCA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>References</b>           | ACGIH<br>EPA: AQUIRE database<br>NLM: Hazardous Substances Data Base<br>US. IARC Monographs on Occupational Exposures to Chemical Agents<br>HSDB® - Hazardous Substances Data Bank<br>IARC Monographs. Overall Evaluation of Carcinogenicity<br>National Toxicology Program (NTP) Report on Carcinogens<br>ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices                                                                                                                                                                     |
| <b>Disclaimer</b>           | The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. |
| <b>Revision Information</b> | Product and Company Identification: Product and Company Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |