

# Material Safety Data Sheet

Revision Date 21-Oct-2014

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** DN4310 05  
**Product name** Tractite  
**Recommended Use** Repair Material

**Supplier** Drummond, A Lawson Brand  
Lawson Products, Inc.  
8770 W.Bryn Mawr Ave.- Suite 900  
Chicago, IL 60631  
1-866-529-7664  
**Emergency telephone number** (888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview Irritant.

#### Aggravated Medical Conditions

Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure to this product. Inhalation of dust may cause increase in incident of asthma and/or bronchitis. Exposure to crystalline silica or the disease silicosis is associated with increased incidence of scleroderma, tuberculosis and possibly increased incidence of kidney lesions.

#### Principal Routes of Exposure

Inhalation. Skin. Ingestion.

#### Potential health effects

<b>Eyes</b>	Irritation. Corneal damage.
<b>Skin</b>	Exposure can dry the skin, cause alkali burns and effect the mucous membranes . Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause more severe response if skin is damp or abraded, or if material is confined to skin. Extreme overexposure may cause. Chemical burns.
<b>Inhalation</b>	Dust may cause irritation of the respiratory system. May cause irritation to the mucous membranes. May cause irritation of the nose and throat. Inflammation. Pulmonary edema. Respirable Crystalline Silica, ( Quartz) can cause silicosis, a fibrous scarring of the lungs and possibly cancer . Prolonged overexposure may cause. Shortness of breath. Asthma- like symptoms . Bronchitis. Kidney damage.
<b>Ingestion</b>	Not likely to occur.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
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Quartz (Crystalline Silica)	14808-60-7	30-60
Portland Cement	65997-15-1	30-60
Calcium Aluminate Cement	65997-16-2	1-5
Fly Ash	68131-74-8	0
Silicon Dioxide - hydrated	7631-86-9	0
Copolymer Powder	24937-78-8	N/A
Calcium Sulfate Hemihydrate	26499-65-0	trace
Blast Furnace Slag	65996-69-2	trace
Calcium hydroxide	1305-62-0	0
Hydrous Alum Silicates	1332-58-7	trace

## 4. FIRST AID MEASURES

**Eye contact** Irrigate (flood) eyes immediately and repeatedly with clean water. Immediate medical attention is required.

**Skin contact** Wash area thoroughly with soap and water. Seek medical attention if irritation persists.

**Ingestion** No specific treatment is necessary since this material is not likely to be hazardous by ingestion

**Inhalation** Remove to fresh air. Provide oxygen or artificial respiration if necessary. Immediate medical attention is required.

## 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	Not Applicable
<b>Flash point °F</b>	Not Applicable
<b>Method</b>	No information available
<b>Autoignition temperature °C</b>	Not Applicable
<b>Autoignition temperature °F</b>	Not Applicable
<b>Flammability Limits (% in Air)</b>	
Upper	No data available
Lower	No data available

#### Suitable extinguishing media

Product is nonflammable. Use extinguishing media appropriate to surrounding fire.

#### Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

#### Sensitivity to shock

No information available.

#### Sensitivity to static discharge

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions

Avoid contact with the skin and the eyes. Avoid dust formation. Ensure adequate ventilation.

### Methods for cleaning up

Clean up promptly by scoop or vacuum. Place in suitable container for disposal as hazardous waste. Keep airborne dusts at a minimum when cleaning up.

## 7. HANDLING AND STORAGE

### Handling

Do not inhale dusts. Avoid generating dust. Product becomes alkaline when exposed to moisture. Precautions must be observed because burns occur with little warning - little heat is sensed.

### Storage

Keep in a dry place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Portland Cement	15 mg/m <sup>3</sup>	-	1 mg/m <sup>3</sup>	-
Calcium Aluminate Cement	-	-	-	-
Quartz (Crystalline Silica)	-	-	0.025 mg/m <sup>3</sup>	-
Copolymer Powder	-	-	-	-
Silicon Dioxide - hydrated	15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)	10 ppm	10 mg/m <sup>3</sup> (total dust)	ND
Calcium hydroxide	15 mg/m <sup>3</sup>	-	5 mg/m <sup>3</sup>	-
Fly Ash	-	-	-	-
Blast Furnace Slag	-	-	-	-
Hydrous Alum Silicates	15 mg/m <sup>3</sup>	-	2 mg/m <sup>3</sup>	-
Calcium Sulfate Hemihydrate	15 mg/m <sup>3</sup>	-	-	-

### Ventilation and Environmental Controls

Provide local exhaust ventilation. Sufficient ventilation in volume and in pattern, should be provided to keep air contamination below current applicable OSHA PEL or ACGIH OEL limits.

### Hygiene measures

General industrial hygiene practice. Washing hands, face, neck and arms thoroughly before eating or smoking is recommended. Following work, workers should shower with soap and water.

### Respiratory protection

If dust is in the air, a NIOSH/MSHA approved respirator is recommended. Avoid breathing concentrated vapors or particles from all products not specifically designed to be inhaled.

### Hand Protection

Impervious gloves. Use barrier crème when in contact with product. Wash hands prior to applying barrier crème.

### Eye protection

Tightly fitting safety goggles.

### Skin and body protection

Lightweight protective clothing. Boots.

### Other Protective Equipment

A safety shower and eye wash station should be available for emergency use.

### Environmental exposure controls

Avoid dust formation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder
Color	Gray - Light brown
Odor	Slight
Odor Threshold	No information available
pH	No data available
Specific Gravity	2.6 - 3.15
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Evaporation Rate	Not Applicable
Solubility	Slightly soluble
Water solubility	Slightly soluble
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	> 1482
Boiling point/range °F	> 2700
Melting point/range °C	> 1482
Melting point/range °F	> 2700
Flash point °C	Not Applicable
Flash point °F	Not Applicable

## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to avoid

Keep dry until use.

**Incompatibility**

Incompatible with oxidizing agents. Fluoride. Chlorine trifluoride .  
Manganese trifluoride. Oxygen difluoride.

**Hazardous Decomposition Products**

Silica will dissolve in hydrofluoric acid and produce a corrosive gas,  
silicon tetrafluoride.

**Polymerization**

Hazardous polymerization does not occur.

**Mutagenic effects**

None known .

**Teratogenic effects**

None known .

**Reproductive toxicity**

None known .

**Target Organ Effects**

None Known.

**Carcinogenic effects**

See table below

**11. TOXICOLOGICAL INFORMATION****Component Information**

Chemical Name	LD50 (oral, rat )	LD50 (dermal ,rat/rab bit)	LC50 (inhalation, rat)
Portland Cement 65997-15-1	-	-	-
Calcium Aluminate Cement 65997-16-2	-	-	-
Quartz (Crystalline Silica) 14808-60-7	500 mg/kg	-	-
Copolymer Powder 24937-78-8	-	-	-
Silicon Dioxide - hydrated 7631-86-9	5000 mg/kg	2000 mg/kg	2.2 mg/L
Calcium hydroxide 1305-62-0	7340 mg/kg	-	-
Fly Ash 68131-74-8	2000 mg/kg	-	-
Blast Furnace Slag 65996-69-2	-	-	-
Hydrous Alum Silicates 1332-58-7	-	-	-
Calcium Sulfate Hemihydrate 26499-65-0	-	-	-

**Synergistic Products**

None known

**Specific Hazards**

There is evidence that exposure to respirable silica is associated with an increased incidence of scleroderma, tuberculosis, kidney disorder or the disease silicosis .

**Potential health effects****Sensitization**

May cause sensitization of susceptible persons..

**Chronic toxicity**

See Section 2 .

Chemical Name	ACGIH OEL - Carcinoge ns	IARC	NTP - Known Carcinoge ns	NTP - Suspected Human Carcinoge ns	OSHA RTK Carcinoge ns
Portland Cement	A4	Not Listed	Not Listed	Not Listed	Not Listed
Calcium Aluminate Cement	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Quartz (Crystalline Silica)	A2	Group 1	Known Human Carcinogen	Not Listed	Listed
Copolymer Powder	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Silicon Dioxide - hydrated	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Calcium hydroxide	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Fly Ash	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Blast Furnace Slag	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Hydrous Alum Silicates	A4	Not Listed	Not Listed	Not Listed	Not Listed
Calcium Sulfate Hemihydrate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION****Silicon Dioxide - hydrated****Water Flea Data**

*Ceriodaphnia dubia* EC50=7600 mg/L (48 h)

**13. DISPOSAL CONSIDERATIONS****Disposal Information**

As supplied, this product is classified as non-hazardous waste according to RCRA regulations.

**Waste from residues / unused products**

Can be landfilled or incinerated, when in compliance with local regulations. As supplied, this product is classified as non-hazardous waste according to RCRA regulations.

**14. TRANSPORTATION INFORMATION****DOT**

Not Regulated

**14. TRANSPORTATION INFORMATION****TDG**

Not Regulated

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

**15. REGULATORY INFORMATION**

Chemical Name	US EPA SARA 313 Emission Reporting
Fly Ash	Listed

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Portland Cement	Not Listed	Listed	Not Listed
Calcium Aluminate Cement	Not Listed	Not Listed	Not Listed
Quartz (Crystalline Silica)	Not Listed	Listed	Carcinogen
Copolymer Powder	Not Listed	Not Listed	Not Listed
Silicon Dioxide - hydrated	Listed	Listed	Not Listed
Calcium hydroxide	Listed	Listed	Not Listed
Fly Ash	Not Listed	Not Listed	Not Listed
Blast Furnace Slag	Not Listed	Not Listed	Not Listed
Hydrous Alum Silicates	Not Listed	Listed	Not Listed
Calcium Sulfate Hemihydrate	Not Listed	Listed	Not Listed

WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Portland Cement	X	X	-	X
Calcium Aluminate Cement	X	X	-	X
Quartz (Crystalline Silica)	X	X	-	X
Copolymer Powder	-	X	-	X
Silicon Dioxide - hydrated	X	X	-	X
Calcium hydroxide	X	X	-	X
Fly Ash	X	X	-	X
Blast Furnace Slag	X	X	-	X
Hydrous Alum Silicates	X	X	-	X
Calcium Sulfate Hemihydrate	-	-	-	-

**CPR**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION****Prepared By**

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