



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** STRATASEAL® TG  
**Version #** 04  
**Revision date** 24-February-2011  
**Chemical description** Asphalt emulsion  
**CAS #** Mixture  
**Manufacturer information** CETCO  
Building Materials Group  
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safety.data@amcol.com  
<http://www.cetco.com/>  
General Information (800) 527-9948  
CHEMTREC® (800) 424-9300

## 2. Hazards Identification

**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

**Potential health effects**

**Eyes** Contact will irritate or burn eyes. Symptoms include itching, burning, redness and tearing.

**Skin** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Inhalation** May cause irritation of respiratory tract. Prolonged inhalation may be harmful. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

**Ingestion** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into lungs may cause chemical pneumonia and lung damage.

**Target organs** Eyes. Lungs. Respiratory system. Skin.

**Chronic effects** Prolonged skin contact may defat the skin and produce dermatitis. May cause delayed lung damage.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
ASPHALT	8052-42-4	40 - 60

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Flush eyes immediately with large amounts of water.

**Skin contact** Immediately flush skin with running water for at least 20 minutes. Get medical attention if irritation develops or persists.

**Inhalation** If symptoms are experienced, remove source of contamination or move victim to fresh air. Call a physician if symptoms develop or persist.

**Ingestion** Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting without advice from poison control center. Do not use mouth-to-mouth method if victim ingested the substance.

**Notes to physician** Symptoms may be delayed. This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

**General advice** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

**Flammable properties** This material will not burn.

## Extinguishing media

**Suitable extinguishing media** Dry chemical, foam, carbon dioxide. Water may be an ineffective extinguishing medium.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

## Protection of firefighters

**Protective equipment and precautions for firefighters** Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk.

**Fire fighting equipment/instructions** Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk.

**Specific methods** In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

## 6. Accidental Release Measures

**Personal precautions** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away.

**Environmental precautions** Do not flush into surface water or sanitary sewer system.

**Methods for containment** Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up** Large Spills: Dike far ahead of liquid spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

Never return spills in original containers for re-use.

## 7. Handling and Storage

**Handling** Use this product with adequate ventilation. Avoid prolonged or repeated skin contact with this material. Do not get this material in your eyes, on your skin, or on your clothing. Avoid breathing vapors or mists of this product. Wash hands after handling and before eating.

**Storage** The pressure in sealed containers can increase under the influence of heat. Keep containers tightly closed in a cool, well-ventilated place. Keep this material away from food, drink and animal feed. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### ACGIH

#### Components

ASPHALT (8052-42-4)

#### Type

TWA

#### Value

0.5000 mg/m<sup>3</sup>

#### Form

Inhalable fraction.

**Engineering controls** Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

### Personal protective equipment

**Eye / face protection** Wear chemical goggles; face shield (if handling molten material). Eye wash fountain is recommended.

**Skin protection** Wear appropriate chemical resistant gloves. Normal work clothing (long sleeved shirts and long pants) is recommended. Remove and wash contaminated clothing before re-use.

**Respiratory protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General hygiene considerations** Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

## 9. Physical & Chemical Properties

**Appearance** Paste.

**Color** Black.

**Odor** Characteristic.

**Odor threshold** Not available.

**Physical state** Not available.

<b>Form</b>	Paste.
<b>pH</b>	Not available.
<b>Melting point/Freezing point</b>	32 °F (0 °C)
<b>Boiling point</b>	> 212 °F (> 100 °C)
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	1.02 - 1.08
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.
<b>Percent volatile</b>	45 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

### Toxicological data

<b>Product</b>	<b>Test Results</b>
STRATASEAL® TG (Mixture)	Acute Dermal LD50 Rabbit: 3673 mg/kg
<b>Local effects</b>	Contact may irritate or burn eyes. Components of the product may be absorbed into the body through the skin.
<b>Chronic effects</b>	Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.
<b>Carcinogenicity</b>	<p>This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. This material contains petroleum asphalt. IARC has determined that there is inadequate evidence that undiluted, air-refined asphalt is carcinogenic to animals. There is only limited evidence that undiluted, steam-refined and cracking-residue asphalt are carcinogenic to animals. Additionally, IARC has concluded that there is inadequate evidence that asphalts alone are carcinogenic to humans.</p> <p>Condensed asphalt fumes, which are generated under laboratory conditions and are chemically different from those found during typical asphalt operations, have been reported to cause bacterial mutations. However, inhalation of asphalt fumes by laboratory animals, during controlled studies, did not produce lung cancer. Additionally, human studies have not established a link between lung cancer and asphalt fume exposure to date. This product may contain trace amounts of polynuclear aromatic hydrocarbons (PAHs) as naturally occurring constituents of crude oils from which asphalt is derived. Some PAHs have been shown to be carcinogenic after prolonged or repeated skin contact in laboratory animals.</p>

### ACGIH Carcinogens

ASPHALT (CAS 8052-42-4)

A4 Not classifiable as a human carcinogen.

## IARC Monographs. Overall Evaluation of Carcinogenicity

ASPHALT (CAS 8052-42-4)

2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans.

## 12. Ecological Information

### Ecotoxicological data

#### Product

#### Test Results

STRATASEAL® TG (Mixture)

LC50 Fish: 8080 mg/l 96.00 Hours estimated

**Ecotoxicity** No data available for this product.

**Environmental effects** No data available for this product.

**Persistence and degradability** Not available.

## 13. Disposal Considerations

**Disposal instructions** Dispose in accordance with all applicable regulations.

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

### DOT

#### Packages less than 83 lbs

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

### CERCLA (Superfund) reportable quantity

ASPHALT: 100.0000

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

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

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

### Inventory status

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

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

ASPHALT (CAS 8052-42-4)

Listed: January 1, 1990 Carcinogenic.

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

ASPHALT (CAS 8052-42-4)

Special hazard.

**16. Other Information**

**Recommended restrictions**

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.

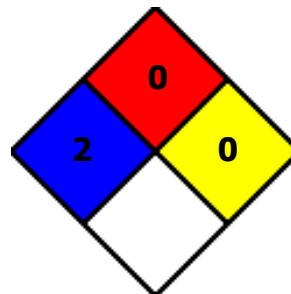
**Further information**

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

**HMIS ratings**

HMIS®		
<b>HEALTH</b>	*	2
<b>FLAMMABILITY</b>		0
<b>PHYSICAL HAZARD</b>		0
PERSONAL PROTECTION		

**NFPA ratings**



**Disclaimer**

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**Issue date**

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