



# 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  
2870 Forbs Avenue  
Hoffman Estates, IL 60192 US  
safety.data@amcol.com  
<http://www.cetco.com/>  
General Information (800) 527-9948  
CHEMTREC® (800) 424-9300

## 2. Hazards Identification

### Potential health effects

**Eyes** Contact will irritate or burn eyes. Symptoms include itching, burning, redness and tearing.  
**Skin** Symptoms may include redness, edema, drying, defatting and cracking of the skin.  
**Inhalation** May cause irritation of respiratory tract. 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.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
ASPHALT	8052-42-4	40 - 70

**Composition comments** Not applicable to consumer products.

## 4. First Aid Measures

### First aid procedures

**Eye contact** Flush eyes immediately with large amounts of water. Get medical attention if irritation develops or persists.  
**Skin contact** Immediately flush skin with running water for at least 20 minutes.  
**Inhalation** If symptoms are experienced, remove source of contamination or move victim to fresh air.  
**Ingestion** 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** This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

## 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

**Specific hazards arising from the chemical** Fire may produce irritating, corrosive and/or toxic gases.

<b>Protective equipment for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Fire fighting equipment/instructions</b>	Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire.
<b>Specific methods</b>	In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	<p>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.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.</p> <p>Never return spills in original containers for re-use.</p>
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

<b>Handling</b>	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.
<b>Storage</b>	Keep at temperature not exceeding 50 °C. Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### Canada - British Columbia

Components	Type	Value	Form
ASPHALT (8052-42-4)	TWA	0.5000 mg/m3	Aerosol, inhalable.

#### Canada - Ontario

Components	Type	Value	Form
ASPHALT (8052-42-4)	TWA	0.5000 mg/m3	Inhalable fume.

#### Canada - Quebec

Components	Type	Value	Form
ASPHALT (8052-42-4)	TWA	5.0000 mg/m3	Fume.

<b>Engineering controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
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### Personal protective equipment

<b>Eye / face protection</b>	Wear chemical goggles; face shield (if handling molten material). Eye wash fountain is recommended.
<b>Skin protection</b>	Normal work clothing (long sleeved shirts and long pants) is recommended. Remove and wash contaminated clothing before re-use.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Paste.
<b>Color</b>	Black.
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	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>Percent volatile</b>	45 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<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

#### Product

STRATASEAL® TG (Mixture)

#### Test Results

Acute Dermal LD50 Rabbit: 3673 mg/kg

#### Carcinogenicity

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.

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.

#### 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

STRATASEAL® TG (Mixture)

#### Test Results

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

**TDG**

Not regulated as dangerous goods.

### 15. Regulatory Information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification** D2B - Other Toxic Effects-TOXIC

**WHMIS labeling**



**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)

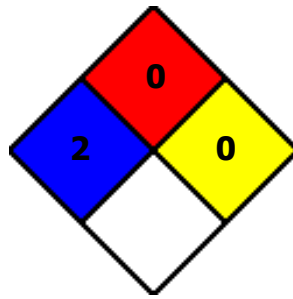
### 16. Other Information

**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**



**NFPA ratings****Disclaimer**

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 manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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**Prepared by**

EHS Department

**Issue date**

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