



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name STRATASEAL® SG
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.

| | |
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| Protective equipment for firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| Fire fighting equipment/instructions | Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. |
| Specific methods | 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 | Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. |
| Methods for containment | 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. |
| 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. |
| Other information | Clean up in accordance with all applicable regulations. |

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 | 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. |

| | |
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| Engineering controls | Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. |
|-----------------------------|--|

Personal protective equipment

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

9. Physical & Chemical Properties

| | |
|-------------------------------------|-------------------|
| Appearance | Viscous. |
| Color | Black. |
| Odor | Characteristic. |
| Odor threshold | Not available. |
| Physical state | Not available. |
| Form | Aqueous solution. |
| pH | Not available. |
| Melting point/Freezing point | Not available. |

| | |
|---|------------------------------------|
| Boiling point | > 212 °F (> 100 °C) |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not available. |
| Vapor pressure | Not available. |
| Vapor density | 0.62 |
| Specific gravity | Not available. |
| Relative density | 0.6137 g/cm ³ estimated |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Percent volatile | 50 % |

10. Chemical Stability & Reactivity Information

| | |
|---|--|
| Chemical stability | Stable at normal conditions. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Possibility of hazardous reactions | Will not occur. |

11. Toxicological Information

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® SG (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.

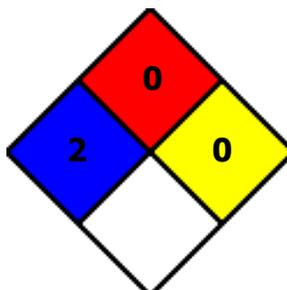
Further information

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

HMIS ratings

| | | |
|---------------------|---|---|
| HEALTH | * | 2 |
| FLAMMABILITY | | 0 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | | |

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.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. 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.

Prepared by

EHS Department

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