



Material Safety Data Sheet – OSHA 174

Materials Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

US Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved OMB No. 1218-0072

H.M.I.S. RATING

| | |
|--------------------------|----------|
| Health | 3 |
| Flammability | 2 |
| Reactivity | 0 |
| Protective Equip. | B |

FlexShield 3050 – Self Adhered FR SBS Modified

Section I

| | | |
|---|----------------------------|--|
| Manufacturer's Name | Emergency Telephone | Telephone |
| GlobalShield, Inc. | 800-424-9300 (ChemTrec) | 800-974-7663 |
| Address | Primary Contact | Email |
| GlobalShield 320 Northpoint Pkwy. Suite O Acworth, GA 30102 | Technical Services | info@globalshield.us |
| | NFPA | Preparer's Signature |
| | 704 | <i>Jerry Solou</i> |

Section II Hazardous Ingredients / Identity Information

| Hazardous Component | CAS# | OSHA PEL | AGGIH TLV | Other | Percent |
|---------------------------------|------------|--|--|-------|-----------|
| Petroleum asphalt | 8052-42-4 | 5 mg/m ³ | 5 mg/m ³ | | 38.0-55.2 |
| Calcium Carbonate | 1317-65-3 | 5 mg/m ³ -respirable 15 mg/m ³ -total | 3 mg/m ³ -respirable 10 mg/m ³ -total | | 4.3-23.8 |
| Calcium Borate | N/A | Not established | Not established | | 0-17.6 |
| Polyethylene | 9002-88-4 | 5 mg/m ³ -respirable 15 mg/m ³ -total | 3 mg/m ³ -respirable 10 mg/m ³ -total | | 0-1.3 |
| Polypropylene | 9003-07-0 | Not established | Not established | | 0-3.9 |
| Ethylene Propylene Copolymer | 9010-79-1 | 5 mg/m ³ -respirable 15 mg/m ³ -total | 10 mg/m ³ -total | | 0-3.0 |
| Styrene butadiene Styrene | 9003-55-8 | Not established | Not established | | 10-20 |
| Styrene Isoprene Styrene | 25038-32-8 | Not established | Not established | | 1.8-2.7 |
| Polyvinyl Butyral | 27360-07-2 | Not established | Not established | | 0-2.0 |
| Petroleum Hydrocarbon Resin | 68527-25-3 | Not established | Not established | | 5.0-7.6 |
| Non-woven Polyester | N/A | Not established | Not established | | 0-6.0 |
| Continuous Filament glass fiber | 65997-17-3 | 5 mg/m ³ -respirable 15 mg/m ³ -total | 1 fiber/cc TLV 5 mg/m ³ -total | | 0-3.7 |
| Crushed Mineral | N/A | Not established | Not established | | 0-28.0 |

**All Chemicals comprising this product are listed on the Toxic Substance Control Act (TSCA) inventory.

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of title III and of 40 CFR 372.

Section III Physical / Chemical Characteristics

| | | |
|-------------------------------|---|--------------------------|
| Boiling Point | Melting Point | Max VOC (g/l) |
| >650°F | >200 | N/A |
| Vapor Pressure (mm Hg) | Evaporation Rate (Butyl Acetate=1) | Max VOC (lbs/gal) |
| N/A | 0.1 | N/A |
| Vapor Density (Air=1) | Weight Per Gallon | % Solids Volume |
| N/A | >8.4 ± 0.3 | 100 |
| Color | Solubility in Water | % Solids Weight |
| Black | Insoluble, <0.5% | 100 |
| Odor | Appearance | % Volatile |
| Mild petroleum odor | Black roll | <0.1 |
| Specific Gravity | PH | |
| 1.02-1.30 | N/A | |

Section IV Fire and Explosion Hazard Data**Flash Point Method**

TCC

Flash Point Temperature

>430°F

LEL Flammable Limit

Not determined

UEL Flammable Limit

Not determined

Extinguishing Media

Dry chemical, foam, water fog, CO2

Fire Fighting Procedures

Firemen should wear MSHA/NIOSH approved self-contained apparatus to protect against inhalation of combustion products.

Additional Procedures

Material will float on water and can be reignited. Use water to cool containers to prevent bursting. Wear full firefighting gear including self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

Burning will produce black smoke

Section V Reactivity Data**Stability**

Material is Stable

Conditions to Avoid

Strong oxidizing agents at elevated temperatures and uncontrolled fumes.

Incompatibility (Materials to Avoid)

Strong Oxidants

Hazardous Decompositions or Byproducts

Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Hydrogen Sulfides, and Smoke.

Hazardous Polymerization

Will Not Occur

Section VI Health Hazard Data**HEALTH HAZARDS (ACUTE):**

Irritation of eye, nose, throat, and skin

HAZARDS (CHRONIC):

Insufficient evidence of cancer induced by exposure to asphalt fumes. The International Agency for Research on Cancer (IARC) considered Crystalline Silica as a human carcinogen. Prolonged exposure to Crystalline Silica containing dust can lead to Silicosis. Continuous filament glass fibers are not classified as Carcinogens. However no significant health hazards are likely to occur due to the product form and nature of use.

Upper respiratory system

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing respiratory conditions

Routes of Entry**If In Eyes****Symptoms**

- Eye irritation
- Blurred vision
- Burning of eyes
- Tearing, redness, or swelling

Emergency and First Aid Procedures

- Flush gently with large amounts of water for at least 15 minutes lifting upper and lower lids occasionally. Get immediate medical attention

If Ingested**Symptoms**

- May be a health hazard if ingested in large quantities.

Emergency and First Aid Procedures

- **DO NOT INDUCE VOMITING**
- Get prompt medical attention.

If Inhaled**Symptoms**

- Dizziness, headaches, even unconsciousness or death.
- Coughing.
- Shortness of breath.

Emergency and First Aid Procedures

- Remove from vapor immediately and if breathing is difficult, administer oxygen.
- If overcome, call physician.
- If breathing has stopped or is irregular, start resuscitation or administer oxygen, as needed.

If on Skin**Symptoms**

- Not applicable

Emergency and First Aid Procedures

Section VII Precautions for Safe Handling and Use.**Steps to be taken in case material is released or spilled:**

Not applicable.

Waste Disposal Method:

Standard refuse disposal. Wastes are classified as non-hazardous by U. S. Environmental Protection Agency (EPA) and as per definition by Resource Conservation and Recovery Act (RCRA). Follow all local, state, and federal regulations governing waste disposal.

Use protective equipment as described in Section IX. Keep away from heat or flame and protect from the elements.

Precautions for Handling and Storage:

Do not store containers near heat, sparks, open flames or other sources of ignition. Wear appropriate personal protective equipment when handling product. Wash hands after using product and before eating or smoking.

Other Precautions:

Wash skin thoroughly with soap and water after contact.

Section VIII Control Measures**Ventilation**

Although normal conditions of product use does not warrant any special ventilation, use in well ventilated area.

Other

N/A

Protective Equipment Required**Respirator**

None required unless used with hot asphalt. Use breathing apparatus (only NIOSH approved) when PEL/TLV is exceeded.

Gloves

Wear leather or cotton gloves (impervious)

Goggles

Wear safety glasses with side shields.

Clothing

Wear long pants and long sleeved shirt. Remove contaminated clothing and launder before reuse.

Section IX Special Precautions for Safe Handling and Storage**Precautions for Handling and Storage**

Keep containers cool, dry and away from sources of ignition. Use this product with adequate ventilation. Material is COMBUSTIBLE. Material requires electrical grounding during material transfer process to prevent fire or explosion risk from static accumulation and discharge. All electrical equipment in storage and handling areas should be installed per NFPA requirements.

Other Precautions

Do not store containers near heat, sparks, open flames or other sources of ignition. Keep container closed when not in use. Wear appropriate personal protective equipment when handling product. Grounding is required for pumping or spraying of material. Wash hands after using product and before eating or smoking.

Section X Transportation Data**DOT**

Not Regulated

IMDG

Not Regulated

IATA

Not Regulated

Section XI Regulatory Information

OSHA: Not Regulated

TSCA (Toxic Substances Control Act) Regulations: This material or its components are listed on the TSCA Chemical Substance Inventory and is in compliance with all applicable rules and orders. One or more of the components may be exempt from listing on the TSCA Inventory.

SARA: This material does not contain any substances in the list on Toxic Chemicals subject to Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III), in excess of the applicable de minimis concentrations as specified in Section 372.38 (a).

California Proposition 65: This product does not contain a chemical known to the state of California to cause cancer, birth defects or any other harm.

Section XII Other Information

Glossary:

- ACGIH- American Conference of Governmental Industrial Hygienist
- IARC- International Agency for Research on Cancer
- MSHA- Mine Safety and Health Administration
- NIOSH- National Institute for Occupational Safety and Health
- NTP- National Toxicology Program
- OSHA- Occupational Safety and Health Administration

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