



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	0
Flammability	1
Reactivity	0
Protective Equip.	A

FlexShield 2055 – Manufactured Asphalt Roofing

Section I

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

Section II Hazardous Ingredients / Identity Information

Hazardous Component	CAS#	OSHA PEL	AGGIH TLV	Other Limits	Percent
none			5 mg/m ³		

**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 650 - 1000°F	Melting Point N/A	Max VOC (g/l) <20
Vapor Pressure (mm Hg) N/A	Evaporation Rate (Butyl Acetate=1) N/A	Max VOC (lbs/gal) <0.15
Vapor Density (Air=1) Greater than air	Weight Per Gallon 8.32 ± 0.3	% Water Volume <0.1
Color Black, gray	Solubility in Water Non-Dispersible	% Solids Weight >99
Odor Paint like	Appearance	% Volatile Volume <0.5
Specific Gravity Greater than 1.0 g/ml	PH N/A	

Section IV Fire and Explosion Hazard Data

Flammability Class OSHA – none	Flash Point Temperature N/A	LEL Flammable Limit N/A	UEL Flammable Limit N/A
Extinguishing Media Foam, CO ₂ , Dry Chemical, Water Fog, Spray (Water)			
Fire Fighting Procedures Firemen should wear MSHA/NIOSH approved self-contained apparatus to protect against inhalation of combustion products.			
Additional Procedures Avoid confined space without proper equipment			
Unusual Fire and Explosion Hazards None			

Section V Reactivity Data**Stability**

Material is Stable

Incompatibility (Materials to Avoid)

Strong Oxidants

Hazardous Polymerization

Will Not Occur

Conditions to Avoid

Incomplete combustion

Hazardous Decompositions or Byproducts

Fumes, Smoke, Carbon Monoxide, Carbon Dioxide, Nitrous Oxide

CommentsThis product contains asphalt. Some asphalts contain sulfur compounds which may form H₂S when heated or burned.**Section VI Health Hazard Data****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

- 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**

- Possible dermatitis or allergenic reaction on repeated contact.

Emergency and First Aid Procedures

- Remove contaminated clothes and wash with waterless hand cleaner or soap and water.

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

None

Waste Disposal Method:

Assure conformity with applicable disposal regulations

Precautions for Handling and Storage:

Wash after skin contact. Do not handle or store near heat or strong oxidants. Adequate ventilation required.

Other Precautions:

None

Section VIII Control Measures**None****Protective Equipment Required****Respirator**

Not normally required

Gloves

Recommended but not required

Goggles

Recommended but not required

Clothing

If repeated contact is probable use chemical resistant apron.

Work Hygienic Practices

Practice good work hygiene

Section IX Special Precautions for Safe Handling and Storage

Precautions for Handling and Storage

Do not store near flame

Other Precautions

None

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 any chemicals 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

For Your Protection: GlobalShield, Inc. warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, NO GUARANTY, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE MERCHANTABILITY OR SUITABILITY OR FITNESS OF ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS OR THE USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. THE USER SHOULD CONDUCT SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE. Liability of GlobalShield, Inc. for all claims, whether arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, the user should obtain detailed information on toxicity, together with proper shipping, handling, and storage procedures, and comply with all applicable safety and environmental standards. Toxicity and risk characteristics of chemical compounds and other products may differ when used with other materials or in a manufacturing or other process. Those risk characteristics should be determined by the user and made known to handlers, processors, and end users.