



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 EC 130 – Elastomeric Coating

Section I

Manufacturer's Name

GlobalShield, Inc.

Address

GlobalShield
320 Northpoint Pkwy. Suite O
Acworth, GA 30102

Emergency Telephone

800-424-9300 (ChemTrec)

Primary Contact

Technical Services

NFPA

704

Telephone

800-974-7663

Email

info@globalshield.us

Preparer's Signature

Jerry Solou

Section II Hazardous Ingredients / Identity Information

Hazardous Component	CAS#	OSHA PEL	AGGIH_TLV	Other Limits	Percent
Refined Coal Tar Pitch	65996-93-2	0.2 mg/m ³ 8-hr TWA	0.02 mg/m ³ 8-hr TWA		5-10
Aromatic Solvent	64742-95-6	500 ppm	100 ppm		30-40
Petroleum asphalt	8052-42-4	15 mg/m ³	10 mg/m ³		35-45
Styrene butadiene polymer	9003-55-8	15 mg/m ³	10 mg/m ³		10-20

**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

300°F

Vapor Pressure (mm Hg)

2.1 mm Hg @ 20°C

Vapor Density (Air=1)

Greater than air

Color

Black

Odor

Petroleum odor

Specific Gravity

>1.01

Melting Point

N/A

Evaporation Rate (Butyl Acetate=1)

0.1

Weight Per Gallon

>8.4 ± 0.3

Solubility in Water

Insoluble, <0.5%

Appearance

Liquid

PH

N/A

Max VOC (g/l)

<300

Max VOC (lbs/gal)

<2.50

% Solids Volume

71

% Solids Weight

74

% Volatile

26

Section IV Fire and Explosion Hazard Data

Flash Point Method

TCC

Flash Point Temperature

>105°F

LEL Flammable Limit

0.5

UEL Flammable Limit

6.7

Autoignition Temperature

540°F

Extinguishing Media

Foam CO2 or dry chemical extinguishers.

Use bunker gear and self contained breathing apparatus. There is a potential for containers to rupture violently in fires.

Vapors from product may explode if ignited in a confined space.

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

Do not direct water on substance. Water and foam may cause frothing. Treat as a fuel fire.

Section V Reactivity Data

Stability

Material is Stable

Incompatibility (Materials to Avoid)

Strong Oxidants

Hazardous Polymerization

Will Not Occur

Conditions to Avoid

Heat, flame, sparks, or other sources of ignition.

Hazardous Decompositions or Byproducts

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

Conditions to Avoid

Section VI Health Hazard Data

HEALTH HAZARDS (ACUTE):

Vapors may be irritating to nose, throat, and respiratory tract. High concentrations may cause headaches, dizziness, nausea, drowsiness, anesthesia, and unconsciousness and can result in death. Vapors and liquid can cause eye irritation, redness, tearing and blurred vision. Ingestion can cause irritation of mouth, throat, and gastrointestinal tract. May cause nausea and vomiting. Aspiration of petroleum distillates into the lungs can cause severe chemical pneumonitis, which can be fatal.

HAZARDS (CHRONIC):

Prolonged or repeated contact can cause skin dryness, irritation and dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Central nervous system diseases, skin disorders, eye disorders or chronic respiratory diseases may be worsened by exposure.

Asbestos is listed as a carcinogen in NTP, IARC and OSHA monographs. The listings are based upon inhalation of asbestos fibers that are not encapsulated. The asbestos fibers in this product are totally encapsulated and not subject to release into the air. They are not considered to be a health hazard. IARC monographs list refined bitumens as possibly carcinogenic to humans based upon animal studies. IARC regards it prudent to treat a material for which there is sufficient evidence of carcinogenicity in animals as if it is possibly carcinogenic in humans.

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

- 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:

Eliminate sources of ignition. Ventilate area. Wear appropriate safety equipment. Restrict access to area of spill. Contain spill using sand or other inert material. Recover free material to a secure container. Use inert absorbent to pick up residue. Wash area with soap and water.

Waste Disposal Method:

Dispose of material in accordance with applicable Federal, State and local regulations. This material is a RCRA regulated hazardous waste.

Precautions for Handling and Storage:

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.

Other Precautions:

Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing and launder before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

Section VIII Control Measures

Ventilation

Use with adequate ventilation.

Other

N/A

Protective Equipment Required

Respirator

Avoid breathing vapors or spray mist. If vapors exceed TLV, use a NIOSH/MSHA approved respirator equipped with an Organic Vapor cartridge or self-contained breathing apparatus.

Gloves

Impervious plastic or rubber gloves.

Goggles

Wear eye protection

Clothing

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

Work Hygienic Practices

Use waterless hand cleaner to remove material from skin. Avoid breathing of vapors and spray mist. Equipment must be grounded for pumping or spraying. Use explosion-proof equipment. Eye wash stations and safety showers should be available.

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 in non-bulk packages are exempt from DOT HM-181 shipping requirements.

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 contains 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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