



## 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	2
Flammability	2
Reactivity	1
Protective Equip.	G

## RubberShield UTC – Urethane Top Coat

### 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](mailto:info@globalshield.us)

#### Preparer's Signature

*Jerry Solou*

### Section II Hazardous Ingredients / Identity Information

Hazardous Component	CAS#	OSHA PEL	AGGIH TLV	LD50/LC50	Percent
Aliphatic Polyurethane polymer	Mixture	No data	No data		35 – 55
Petroleum Hydrocarbon Distillates	64742-95-6	100 ppm	100 ppm/TWA	LD:4.7 g/kg (rat,dermal) LC:>3370 ppm/8 hrs (rat)	5- 15
*Residual trace amount of Isophorone Diisocyanate	4098-71-9	0.005 ppm	0.02 ppm	LD:4826/kg (rat,dermal) LD:>7000 mg/kg (dermal,rabbit) LC:0.04mg/liter/4 hrs (rat)	<0.3

\*\*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

300-550°F

#### Vapor Pressure (mm Hg)

Not Determined

#### Vapor Density (Air=1)

Greater than air

#### Color

Gray, Lt. Gray, Dk. Gray

#### Odor

Paint like

#### Specific Gravity

1.35

#### Melting Point

N/A

#### Evaporation Rate (Butyl Acetate=1)

<1

#### Weight Per Gallon

11.22 ± 0.3

#### Solubility in Water

Non-Dispersible

#### Appearance

Creamy liquid

#### PH

8.0-9.0

#### Max VOC (g/l)

<250

#### Max VOC (lbs/gal)

<1.50

#### % Solids Volume

85 ± 3

#### % Solids Weight

90 ± 3

#### % Volatile

10

### Section IV Fire and Explosion Hazard Data

#### Flash Point Method

TCC

#### Flash Point Temperature

120°F

#### LEL Flammable Limit

0.7%

#### UEL Flammable Limit

6.0%

#### Extinguishing Media

Foam, CO<sub>2</sub>, 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

KEEP FROM FREEZING

### Unusual Fire and Explosion Hazards

None

## Section V Reactivity Data

### Stability

Material is Stable under normal conditions

### Incompatibility (Materials to Avoid)

Any material containing active hydrogen groups such as: water, alcohol, amines, acids, alkalis.

### Hazardous Polymerization

May occur. High temperatures in the presence of alkalis, amines, alcohols, and metal compounds.

### Conditions to Avoid

Avoid water, alcohol, amines, acids, and alkalis

### Hazardous Decompositions or Byproducts

fumes, smoke, carbon monoxide, carbon dioxide, and nitrogen oxide, and trace amounts of hydrogen cyanide.

## 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:

Keep people away. Recover free liquid. Add absorbent sand, earth, sawdust, etc. to spill area. Avoid breathing vapors. Ventilate confined spaces. Open all windows and doors. Keep products out of sewers and watercourses.

### Waste Disposal Method:

Assure conformity with applicable disposal regulations

### Precautions for Handling and Storage:

KEEP FROM FREEZING. Keep containers closed when not in use. Do not handle or store near heat or strong oxidants. Adequate ventilation required.

### 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****Local Exhaust**

Face velocity 60 cfm.

**Mechanical (General)**

N/A

**Special Ventilation**

Use with adequate ventilation.

**Other**

Use decontamination solution of 0.5% liquid detergent, 3-8% concentrated ammonium hydroxide and remaining water.

**Protective Equipment Required****Respirator**

Use with adequate ventilation

**Gloves**

Chemical resistant gloves

**Goggles**

Wear eye protection

**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**

KEEP FROM FREEZING

**Other Precautions**

Sanding or otherwise pulverizing this product when dry can produce respirable silica, a 2A carcinogen (IARC). At such time, use an approved respirator.

**Section X Transportation Data****DOT**

Non Bulk Not Regulated (Roof Coating Non-bulk – PROTECT FROM FREEZING!)

Bulk Not Regulated (Roof Coating Bulk- PROTECT FROM FREEZING!)

**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 Title III (Section 313 Toxic Chemical Information):****Chemical Name:** None known**California Proposition 65:**

{The following detectable components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and/or reproductive toxicity.}

**Chemical Name:** None known

## 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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