



**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	1
Flammability	0
Reactivity	0
Protective Equip.	A

**HeatShield PPT**

**Section I**

**Manufacturer's Name**

GlobalShield, Inc.

**Address**

GlobalShield  
 320 Northpoint Pkwy. Suite O  
 Acworth, GA 30102

**Emergency Telephone**

800-424-9300

**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 TL	Other Limits	Percent
Aluminum	7429-90-5	15 mg/m3	10 mg/m3		10-20
This product is not considered a carcinogen by IARC, ACGIH, NTP, or OSHA.					
Acrylic Copolymer	LAT1	N/A	N/A		
Ethylene glycol butyl ether	111-76-2	240 mg/m3	20 ppm	50 ppm skin	5-10
Biocide (95)	56709.13.8	N/A	N/A		

**Section III Physical / Chemical Characteristics**

**Boiling Point**

212°F

**Vapor Pressure (mm Hg)**

760@212°F

**Vapor Density (Air=1)**

>1

**Color**

Silver

**Odor**

Paint like

**Specific Gravity**

1.08

**Melting Point**

N/A

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

<1

**Weight Per Gallon**

8.94 ± 0.2

**Solubility in Water**

Dispersible

**Appearance**

Creamy liquid

**PH**

8.0-9.0

**Max VOC (g/l)**

140

**Max VOC (lbs/gal)**

1.17

**% Solids Volume**

19.4

**% Solids Weight**

23.2

**% Volatile**

76.8

**Section IV Fire and Explosion Hazard Data**

**Flash Point Method**

N/A

**Flash Point Temperature**

>212°F

**LEL Flammable Limit**

N/A

**UEL Flammable Limit**

N/A

**Extinguishing Media**

Foam, CO2, 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

**Incompatibility (Materials to Avoid)**

Strong Oxidants

**Hazardous Polymerization**

May Not Occur

**Conditions to Avoid**

Avoid Freezing

**Hazardous Decompositions or Byproducts**

Fumes, Smoke, Carbon Monoxide if combustion is incomplete

**Conditions to Avoid****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**

N/A

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

Use with adequate ventilation

<b>Gloves</b>
Chemical resistant gloves
<b>Goggles</b>
Wear eye protection
<b>Clothing</b>
If repeated contact is probable use chemical resistant apron.
<b>Work Hygienic Practices</b>
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 (Water based material Non-bulk – PROTECT FROM FREEZING!)
Bulk	Not Regulated (Water based material Bulk- PROTECT FROM FREEZING!)

**IMDG**

Not Regulated

**IATA**

Not Regulated

**State Addendum**

Ingredient	CAS Number	Notes
Ethylene glycol butyl ether	111-76-2	A substance listed by CA under the "Safe Drinking Water and Toxic Enforcement Act of 1989 (Proposition 65)
Aluminum	7429-90-5	A Massachusetts Right to Know List material.
Aluminum	7429-90-5	A New Jersey RTK Hazardous Substance List material
Ethylene glycol butyl ether	111-76-2	A Pennsylvania Right to Know List material
Ethylene glycol butyl ether	111-76-2	A toxic chemical subject to the reporting requirement on Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR Part 372
Aluminum	7429-90-5	A Rhode Island Hazardous Substances List material
Aluminum	7429-90-5	A Pennsylvania Right to Know List material
Biocide (95)	56709.13.8	See current Material Safety Data Sheet
Water	7732.18.5	See current Material Safety Data Sheet
Acrylic Copolymer (1791)	LAT1	See current Material Safety Data Sheet