



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

RubberShield C – Ceramic Coating

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

Preparer's Signature

Jerry Solou

Section II Hazardous Ingredients / Identity Information

Hazardous Component	CAS#	OSHA PEL	AGGIH TL	Other Limits	Percent
Zinc Oxide	1314.13.2	15 mg/m3	10 mg/m3	F1	<2.5
Notes: F1: A toxic chemical subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know act of 1986 and of 40CFR 372					
Acrylic Copolymer	LAT1	N/A	N/A		35 - 45
Titanium Dioxide	13463.67.7	15 mg/m3	10 mg/m3		5 – 15
Biocide (95)	56709.13.8	N/A	N/A		>1.0
Propylene Glycol	107.21.1		50 ppm		<2.0

Comments: Contains Zinc Oxide and Propylene Glycol which are subject to the reporting requirement of Section 313 of the emergency planning and community right-to-know act of 1986 and of 40 CFR 372.

Section III Physical / Chemical Characteristics

Boiling Point

212F

Vapor Pressure (mm Hg)

760@212F

Vapor Density (Air=1)

>1

Color

White

Odor

Paint like

Specific Gravity

1.42

Melting Point

N/A

Evaporation Rate (Butyl Acetate=1)

<1

Weight Per Gallon

11.68 ± 0.3

Solubility in Water

Dispersible

Appearance

Creamy liquid

PH

8.0-9.0

Max VOC (g/l)

<20

Max VOS (lbs/gal)

<0.15

% Solids Volume

50.1

% Solids Weight

62.9

% Volatile

37.1

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

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 (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
Propylene Glycol	107.21	A substance listed by CA under the "Safe Drinking Water and Toxic Enforcement Act of 1989 (Proposition 65)
Propylene Glycol	107.21	A Florida Toxic Substances List material
Propylene Glycol	107.21	A Massachusetts Hazardous Substance List material.
Propylene Glycol	107.21	A Minnesota Hazardous Substance List material
Propylene Glycol	107.21	A New Jersey RTK Hazardous Substance List material
Propylene Glycol	107.21	A New York List of Hazardous Substances material
Propylene Glycol	107.21	A Pennsylvania Hazardous Substance List material
Propylene Glycol	107.21	A Washington State Permissible Exposure for Air Contaminants material
Propylene Glycol	107.21	A Delaware Air Quality Management List material
Zinc Oxide	1314.13.2	A toxic chemical subject to the reporting requirement os Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR Part 372
Zinc Oxide	1314.13.2	A Florida Toxic Substances List material
Zinc Oxide	1314.13.2	A Massachusetts Hazardous Substance List material.
Zinc Oxide	1314.13.2	A Minnesota Hazardous Substance List material
Zinc Oxide	1314.13.2	A Pennsylvania Hazardous Substance List material
Zinc Oxide	1314.13.2	A Washington State Permissible Exposure for Air Contaminants material
Calcium Carbonate	1317.65.3	A Massachusetts Hazardous Substance List material.
Calcium Carbonate	1317.65.3	A Minnesota Hazardous Substance List material
Calcium Carbonate	1317.65.3	A Pennsylvania Hazardous Substance List material
Calcium Carbonate	1317.65.3	A Washington State Permissible Exposure for Air Contaminants material
Titanium Dioxide	13463.67.7	A Massachusetts Hazardous Substance List material.
Titanium Dioxide	13463.67.7	A Minnesota Hazardous Substance List material
Titanium Dioxide	13463.67.7	A Pennsylvania Hazardous Substance List material
Titanium Dioxide	13463.67.7	A Washington State Permissible Exposure for Air Contaminants 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