

# SAFETY DATA SHEET

## Diamondshield

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Printed: 09/26/2024

Revision: 06/23/2022

Supersedes Revision: 04/28/2020

### 1. Product and Company Identification

**Product Code:** 2697-7443  
**Product Name:** Diamondshield  
2691-7548 2690-7547  
**Company Name:** Aramsco/Empire Cleaning Solutions  
100 Matsonford Road, Suite 510  
Radnor, PA 19087  
**Phone Number:** (800)767-6933  
**Web site address:** www.aramsco.com  
**Emergency Contact:** Chemtrec (800)424-9300  
**Recommended Use:** Floor Finish  
**Intended Use:** For sale to, use and storage by service persons only.  
**Additional Information:** 431900GAL

### 2. Hazards Identification

**Acute Toxicity: Inhalation, Category 4**

**Acute Toxicity: Oral, Category 4**

**Skin Corrosion/Irritation, Category 3**

**Serious Eye Damage/Eye Irritation, Category 2A**

**Specific Target Organ Toxicity (single exposure), Category 3**



**GHS Signal Word:** Warning

**GHS Hazard Phrases:**

H332 - Harmful if inhaled.  
H302 - Harmful if swallowed.  
H316 - Can cause mild skin irritation.  
H319 - Can cause serious eye irritation.  
H335 - May cause respiratory irritation.

**GHS Precaution Phrases:**

P271 - Use only outdoors or in a well-ventilated area.  
P261 - Avoid breathing fumes and spray mist.  
P264 - Wash hands thoroughly after handling.  
P102 - Keep out of reach of children.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.

**GHS Response Phrases:**

P304+340 - If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P301+312 - If swallowed: Call a Poison Center or doctor if you feel unwell.  
P302+352 - If on skin (or in hair): Wash with plenty of soap and water. P332+313 - If skin irritation occurs, get medical attention immediately.  
P305+351+338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, get medical attention immediately.

**GHS Storage and Disposal Phrases:**

P501 - Dispose of contents and container according to the local, city, state and federal regulations.  
P411+235 - Store in cool dry place at room temperature away from direct sunlight.

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**Inhalation:** High vapor concentrations may cause drowsiness. May cause respiratory tract irritation.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Causes eye irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause central nervous system depression. May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
111-90-0	Diethylene glycol monoethyl ether	Proprietary	
25265-77-4	Texanol	Proprietary	
78-51-3	Ethanol, 2-Butoxy-, phosphate (3:1)	Proprietary	
25987-66-0	Acrylic acid polymer	Proprietary	
1314-13-2	Zinc oxide	Proprietary	

### 4. First Aid Measures

#### Emergency and First Aid

##### Procedures:

**In Case of Inhalation:** If breathing is difficult, give oxygen. Get medical aid. Remove from exposure and move to fresh air immediately.

**In Case of Skin Contact:** Flush with water for 15 minutes. If irritation persists, call a physician.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**In Case of Ingestion:** Do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately.

**Note to Physician:** Treat symptomatically and supportively.

### 5. Fire Fighting Measures

**Flash Pt:** NE

**Explosive Limits:** LEL: N/A N.E. UEL: N/A N.E.

**Autoignition Pt:** NE

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

**Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool.

**Flammable Properties and Hazards:** No data available.

**Hazardous Combustion Products:** No data available.

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:**

Use proper personal protective equipment as indicated in Section 8.  
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation. Prevent runoff from entering drains, sewers, or streams.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.  
Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.

**Precautions To Be Taken in Storing:**

Keep from freezing. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
111-90-0	Diethylene glycol monoethyl ether	No data.	No data.	No data.
25265-77-4	Texanol	No data.	No data.	No data.
78-51-3	Ethanol, 2-Butoxy-, phosphate (3:1)	No data.	No data.	No data.
25987-66-0	Acrylic acid polymer	No data.	No data.	No data.
1314-13-2	Zinc oxide	PEL: 5 (fume); 15 (dust) mg/m3	TLV: 2 mg/m3 (R) STEL: 10 mg/m3 (R)	No data.

**Personal Protective Equipment Symbols:****Respiratory Equipment (Specify Type):**

Always use a NIOSH approved respirator when necessary.

**Eye Protection:**

Safety glasses.

**Protective Gloves:**

Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):**

No special ventilation requirements. General room ventilation is adequate.

**Work/Hygienic/Maintenance Practices:**

Wash thoroughly after handling. Wash contaminated clothing before reuse.

## 9. Physical and Chemical Properties

**Physical States:**

☐ Gas ☒ Liquid ☐ Solid

**Appearance and Odor:**

Opaque white liquid with bland odor.

**pH:**

~ 7.50 - 9.00

**Melting Point:**

NE

**Boiling Point:**

>= 212.00 F

**Flash Pt:**

NE

**Evaporation Rate:**

NE

**Flammability (solid, gas):**

No data available.

**Explosive Limits:**

LEL: N/A N.E. UEL: N/A N.E.

**Vapor Pressure (vs. Air or mm Hg):**

NE

**Vapor Density (vs. Air = 1):**

NE

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**Specific Gravity (Water = 1):** ~ 1.020  
**Density:** ~ 8.50 LB/GA  
**Bulk density:** NE  
**Solubility in Water:** 100%  
**Saturated Vapor Concentration:** NE  
**Octanol/Water Partition Coefficient:** No data.  
**VOC / Volume:** < 1.0000 G/L  
**Autoignition Pt:** NE  
**Decomposition Temperature:** NE  
**Viscosity:** NP  
**Particle Size:** NE  
**Heat Value:** NE  
**Corrosion Rate:** NE

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Strong acids, Extremes of temperature and direct sunlight. Strong oxidizing agents.  
**Incompatibility - Materials To Avoid:** Cationic materials, strong oxidizers, strong acidic materials.  
**Hazardous Decomposition or Byproducts:** Carbon monoxide, Carbon dioxide, Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** None.

### 11. Toxicological Information

**Toxicological Information:** CAS# 111-90-0: Acute toxicity, LD50, Oral, Rat, 5500. MG/KG. Result: Gastrointestinal:Ulceration or bleeding from stomach. Gastrointestinal:Ulceration or bleeding from duodenum. Gastrointestinal:Ulceration or bleeding from small intestine. ; Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 21,173, 1939  
**Carcinogenicity/Other Information:** CAS# 111-90-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 25265-77-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### 12. Ecological Information

**General Ecological Information:** CAS# 111-90-0: LC50, Brine Shrimp (Artemia salina), nauplii, 10000000. UG/L, 24 H, Mortality, Water temperature: 24.00 C C. Result: No observed effect. ; Brine Shrimp Bioassay and Seawater BOD of Petrochemicals, Price, K.S., G.T. Waggy, and R.A. Conway, 1974

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### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents and container according to the local, city, state and federal regulations.

### 14. Transport Information

#### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not regulated as a hazardous material.

**DOT Hazard Class:**

**UN/NA Number:**

#### LAND TRANSPORT (Canadian TDG):

**TDG Shipping Name:** Not Regulated.

#### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Not Regulated.

#### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Not Regulated.

### 15. Regulatory Information

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
111-90-0	Diethylene glycol monoethyl ether	No	No	Yes-Cat. N230
25265-77-4	Texanol	No	No	No
78-51-3	Ethanol, 2-Butoxy-, phosphate (3:1)	No	No	Yes-Cat. N230
25987-66-0	Acrylic acid polymer	No	No	No
1314-13-2	Zinc oxide	No	No	Yes-Cat. N982

### 16. Other Information

**Revision Date:** 06/23/2022

**Hazard Rating System:**

HEALTH		1
FLAMMABILITY		0
PHYSICAL		0
PPE		B

**HMIS:**



**Additional Information About PPE B:** safety glasses; gloves.

**This Product:**

**Company Policy or**

**Disclaimer:**