

**1. Chemical product and company identification**
**Product name :** Screen paint 5DS2 water base screen paint

**Synonym ( s ) :** Projection Screen Paint

**Manufacturer/Supplier :** ELITESCREENS .TAIWAN CO. LTD.

**Address :** 4F./ NO.42-1, WUQUAN RD., WUGU TOWNSHIP, TAIPEI COUNTRY 24886, TAIWAN

**Telephone/Telefax :** +886+2+8990-1999

**Emergency telephone number :** +886+2+8990-1968

**2. Chemical/Information on ingredients**

| Chemical characterization :   | CAS#       | %   |
|-------------------------------|------------|-----|
| High Polymer Acrylic Emulsion | 56925-73-6 | 77% |
| Aluminum Powder               | 7429-90-5  | 5%  |
| Additives                     | 68439-49-6 | 8%  |
| Water                         | 7732-18-5  | 10% |
| Solid content                 | 36%±1      |     |

The product is a mixture of chemicals. According to GHS, excluding hazardous ingredients

**3. Hazards identification**

**Hazard Classification:** According to the global coordinate system of classification and labeling of chemicals, the product is non-hazardous materials

**Marked Content:** other hazards

**Health hazards:** Harmful if swallowed, may irritate the skin, eyes.

**Environmental impact:** contaminated water, blue-water phenomenon.

**Physical and chemical hazards:** None

**Special hazards:**

**The main symptoms:** skin irritation, dizziness

**4. First aid measures****General**

Take off immediately all contaminated clothing. Remove to fresh air. Get medical aid immediately.

**Inhalation**

Remove to fresh air. Administer artificial respiration if necessary. Get medical aid.

**Skin contact**

Remove contaminated clothing. Wash thoroughly with soap and water.

**Eye contact**

Immediately flush with plenty of water for at least 15 minutes. Get medical aid.

**Ingestion**

Ingestion: a drinking water immediately and seek medical attention immediately.

Notes to physician: ingestion, consider gastric lavage, activated carbon

**5. Fire fighting measures**

**Extinguishing Media:** Do not burn in the emulsion state, the water evaporated, the residual solid content will burn, use carbon dioxide, dry chemical, alcohol foam, polymer foam.

**Decomposition Temperature:** Products of combustion will produce acrylic monomers

**Fire equipment:** Wear full protective clothing, including with the use of self-contained breathing apparatus

**Fire Note:** In case of fire, not directly to the water column flushing, avoid fire expand

**6. Accidental release measures****Methods for cleaning up/collecting****Personal precautions:**

Use protective masks, gloves, and protective clothing. Keep people away from and upwind of spill stand, bearing in mind that the material will make the floor slippery.

**Environmental Considerations:**

Rendering leakage and cleaning water from entering the drainage system.

**Methods for cleaning up:**

Products available appropriate material (eg sand, earth) absorption treatment, product recovery and cleared the liquid absorbent material were placed in suitable containers waiting for recycling

**7. Handling and storage**

**Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed Do not breathe vapors, mist or gas.

**Other data:** processing operations, when the material is heated to produce monomer gas, see chapter 8, types of ventilation required.

**Storage:** For further information about Storage: Avoid freezing — product stability may be affected. Stir before using.

**Storage temperature :** 1-40 °C

**8. Exposure controls and personal protection****Engineering controls:**

- 1 local exhaust and whole ventilation system
- 2 separate to use non-sparks produce, grounded ventilation system.
- 3 vent directly to the outdoors.
4. Supply sufficient fresh air to replenish the exhausted air.

**Personal protective equipment:**

**Respiratory Protection:** When operating potential respiratory risks can not be avoided or lack of information, control, are still not guarantee the effectiveness of respiratory protection should be used in line with EU standards (89/656/EEC, 89/686/EEC), or equal to the effect of respiratory protective equipment.

**Hand Protection:** butyl rubber, rubber, Viton, Responder and other materials are impervious gloves.

**Eye protection:** chemical safety goggles and masks.

**Hygiene measures:**

- 1 store or use this substance place, shall be equipped with an eyewash facility.
- 2 non-smoking or eating in the workplace.
- 3 After processing this material, thoroughly wash your hands.
- 4 Maintain the workplace clean.

### 9. Physical and chemical properties

**Appearance:** siliver-grey liquid

**Color, APHA  
(G=Gardner scale):** 1G

**Boiling point:** >100°C

**Physical state:** Viscous Liquid

**Melting point:** 0°C

**Flash point:** non

**Vapor pressure:** 46Pa(20°C)

**Vapor density:** -

**Specific gravity:** -

**Freezing point:** -

**pH:** 8-9-

**% Volatile:** 63% ±1% water

**Viscosity:** <100.000mPa.s

### 10. Stability and chemical properties

**Stability:** Stable under normal conditions

**Hazardous reactions under specific conditions:** No report.

**Substances to be avoided:** divalent metal ions, acids.

**Polymerization:** This product does not produce polymerization.

### 11. Toxicological information

The material is non-experimental data, the data is shown by the similar chemical substance or product information inferences.

Acute oral toxicity lethal dose (LD50) in rats > 5000mg/kg

Acute dermal toxicity lethal dose (LD50) rabbit > 5000mg/kg

Specific concentration limits for the following percentages represent ingredients of unknown toxicity

Skin irritation: Will cause short-term stimulus

Eye irritation: No eye irritation

Carcinogenicity: Not Established

Mutagenic: Not established

Reproductive toxicity has not been established

Specific Target Organ Toxicity (Single Exposure)

Inhalation: Inhalation of vapors can cause the following: irritation of nose, throat, lungs, headache, nausea

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Skin: Prolonged or repeated skin contact can cause the following: slight stimulation  
Eyes: Direct contact with this material may cause the following: slight irritation  
(Spiny exposure) Specific Target Organ Toxicity  
Not established  
Respiratory Hazard  
No data has not been established that the material, based on the data shown in the case of similar material composition<sup>2</sup>

## 12. Ecological information

Acute aquatic toxicity

**Acute toxicity fish:** not established

Waterborne invertebrate acute toxicity: Not Established

**Acute toxicity to algae:** Not Established

**Toxicity to bacteria:** not established

**Specific concentration limits:**

The following data represents the percentage of ingredients of unknown toxicity

**Chronic aquatic toxicity:**

**Fish Chronic Toxicity:** Not established

**Chronic toxicity to aquatic invertebrates:** Not Established

**Soil-dwelling organisms Toxicity:** Not established

**Road plant toxicity:** Not Established

**Other non-lactating road toxicity:** Not Established

**Persistence and degradability:**

**Biodegradability:** Not established

**Physical - chemical removability:** Not Established

Bioaccumulation potential of

**Bioaccumulation:** not established

**Mobility in soil partition coefficient (n-octanol / water):** Not established

**Distributed in various environmental compartments:** Not established

**The outcome in the environment and behavior:** not established

## 13. Disposal considerations

**Environmental precautions:** Do not allow spills and cleaning wastewater into the drainage system.

Treatment: the gradual addition of ferric chloride and lime, this condensation emulsion. Clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill in accordance with local government regulations in licensed facilities.

## 14. Transport information

**Road and rail transport class:** Not regulated (Not dangerous for transport)

**Marine Classification (IMO-IMDG):** Not regulated for transport.

**Air Transport Classification (IATA / ICAO):** Not regulated for transport.

**Note:** Transportation classifications may vary by container body base with countries and regions differ

## 15. Regulatory information

1 Labor Safety and Sanitation Rules

2 hazardous materials and hazardous materials labeling and Liberal rule

3 Industrial Waste Storage and Disposal Standards

Critical limits established (TSCA):

All components of this product are in compliance with the U.S. "Toxic Substances Control Act" (TSCA)

Chemical Substances list of directories specified in the relevant

## 16. Other information

ACGIH American Conference of Governmental Industrial Hygienists

BAC butyl acetate

OSHA Occupational Safety and Health Administration

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PEL Permissible Exposure Limits

Time Weighted Average STEL short allowable concentration (STEL):

TLV Threshold Limit Value

TWA Time Weighted Average allowable concentration (TWA):

| Bar denotes a revision from the original Material Safety Data Sheet

**Publisher:**

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