

Safety Data Sheet

1. Product Identification

Commercial Product Name: Photoluminescent Acrylic Latex Paint

Manufacturer Name: Techno Glow Inc. Manufacturer Address: 1906 South Kaufman Street, Ennis, Texas 75119 Manufacturer Phone: (844) 884-3377 or (469) 478-2140 Manufacturer Email: support@technoglowproducts.com

2. Hazard(s) Identification

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) Classification of the Substance or Mixture: CARCINOGENICITY - Category 1A GHS Signal Word: Danger

GHS Hazard Statement: May cause cancer

General Precautionary Statements: Read label before use. Keep out of reach of children. Do not take internally. Not recommended for skin applications. Wear protective gloves, protective clothing, and eye or face protection. If medical advice is needed, please have the product container or label available. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.

3. Composition and Ingredients Information

Substance/Mixture: Mixture

Ingredient Name:

Heavy Paraffinic Oil CAS Number 64742-65-0 (≤1% by weight)

Cristobalite, Respirable Powder CAS Number 14464-46-1 (≤0.3% by weight)

Alumane Dysprosium Europium Oxidanylidene Strontium CAS Number 201426-52-0 (26% by weight)

Any concentration listed as a range is provided to maintain confidentiality or account for batch-to-batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

4. First Aid Measures

Eye Contact: No known significant effects or critical hazards. If symptoms occur, immediately flush eyes with plenty of water, lifting the upper and lower eyelids occasionally. Remove contact lenses if present. Seek medical attention if irritation persists.

Inhalation: No known significant effects or critical hazards. If symptoms develop, move the person to fresh air and keep them at rest in a comfortable position for breathing. Seek medical attention if symptoms persist.

Skin Contact: No known significant effects or critical hazards. If symptoms occur, rinse affected skin thoroughly with plenty of water and remove any contaminated clothing and footwear. Seek medical attention if symptoms persist.

Ingestion: If symptoms occur, rinse the mouth with water and move the person to fresh air. Keep them at rest in a comfortable position for breathing. If the material is swallowed and the person is conscious, give small amounts of water to drink. Do not induce vomiting unless instructed by medical personnel. Seek medical attention if symptoms persist.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from Chemical: In a fire or if heated, a pressure increase will occur, and the container may burst.

Hazardous Thermal Decomposition Products: Decomposition products may include the following materials: carbon dioxide and carbon monoxide. **Special Protective Actions for Fire-Fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special Protective Equipment for Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Precautions & Procedures for Non-Emergency Personnel: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Cleaning Up Small Spills: Stop the leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Cleaning Up Large Spills: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

7. Handling and Storage

Protective Measures: Wear appropriate personal protective equipment (see Section 8). Avoid exposure—seek special instructions before use. Do not handle until all safety precautions are understood. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale vapors or mist. If the product poses a respiratory risk during normal use, ensure adequate ventilation or wear a suitable respirator. Store in the original container or a compatible alternative, tightly sealed when not in use. Empty containers may retain hazardous residue—do not reuse.

Advice on General Occupational Hygiene: Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage, Including any Incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

8. Exposure Controls and Personal Protection

Occupational Exposure Limits (OSHA USA):

Heavy Paraffinic Oil with CAS number 64742-65-0.

ACGIH TLV (United States, 1/2024)

[Mineral Oil, pure, highly and severely refined] A4.TWA 8 hours: 5 mg/m³. Form: Inhalable fraction. NIOSH REL (United States, 10/2020) [OIL MIST MINERAL] TWA 10 hours: 5 mg/m³. Form: Mist.STEL 15 minutes: 10 mg/m³. Form: Mist. OSHA PEL (United States, 5/2018) [Oil mist, mineral] TWA 8 hours: 5 mg/m³.

Cristobalite, respirable powder with CAS number 14464-46-1

ACGIH TLV (United States, 1/2024) [Silica, crystalline] A2.TWA 8 hours: 0.025 mg/m³. Form: Respirable fraction.

NIOSH REL (United States, 10/2020) [SILICA, CRYSTALLINE] NIA. TWA 10 hours: 0.05 mg/m³. Form: Respirable dust.

OSHA PEL (United States, 5/2018) [Silica, crystalline] TWA 8 hours: 50 µg/m³. Form: Respirable dust.

OSHA PEL Z3 (United States, 6/2016)

TWA 8 hours: 250 / 2 x (%SiO₂+5) mppcf. Form: Respirable.

TWA 8 hours: $10 / 2 \times (\% SiO_2 + 2) \text{ mg/m}^3$. Form: Respirable.

TWA 8 hours: $30 / 2 \times (\% SiO_2 + 2) \text{ mg/m}^3$. Form: Total dust.

Appropriate Engineering Controls: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Hygiene Measures: Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye and Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

9. Physical and Chemical Properties

Physical State: Liquid. Color: Not available. Odor: Not available. Odor Threshold: Not available. PH: 8.9 Melting/Freezing Point: Not available. Boiling Point: 100°C (212°F) Flash Point: Closed cup. Not applicable. Evaporation Rate: 0.09 (butyl acetate = 1) Flammability (Solid, Gas): Not available. Lower and Upper Explosive (Flammable) Limits: Not available. Solubility: Not available.

10. Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients. Chemical Stability: The products is stable. Conditions to Avoid: No specific data. Incompatible Materials: No specific data. Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Eye Contact: Not available. Skin Contact: Not available. Inhalation: Not available. Ingestion: Not available. Acute Toxicity Values: Product Name: Heavy Paraffinic Oil Result: LD50 Dermal; Species: Rabbit; Dose: >5000 mg/kg Result: LD50 Oral; Species: Rat; Dose >5000 mg/kg Aspiration Hazard: Product Name: Heavy Paraffinic Oil - Result: Aspiration Hazard - Category 1 Special Target Organ Toxicity (repeated Exposure): Product Name: Cristobalite, respirable powder - Result: SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) -Category 1 Category 1 Category 1

Product name: Cristobalite, respirable powder - Osha +; IARC 1; NTP Known to be a human carcinogen.

12. Ecological Information

Toxicity: Not available. Persistence & Degradability: Not available. Bioaccumulate Potential: Not available. Mobility in Soil: Not available. Other Adverse Effects: No known significant or critical hazards.

13. Disposal Information

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

Dangerous Good in the Sense of the Transport Regulations: NO In Accordance with IATA: Not Hazardous - Not Dangerous - Not Flammable. In Accordance with DOT, TDG, IMDG: Not Regulated - Not Hazardous - Not Dangerous - Not Flammable.

15. Regulatory Information

California Prop. 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

16. Other Information

Hazardous Material Information System (USA)

Health Rating > 3, Flammability Rating > 0, Physical Hazards Rating > 0 Caution: Ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

Procedure Used to Derive Classification:

Classification: CARCINOGENICITY - Category 1A

Justification: Calculation Method

This information, which describes our product as to possible security requirements, is based on the present state of our knowledge and experience. It is given in good faith, but no warranty, expressed or implied, in respect of the quality and properties of our product are made.

The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

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