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Material Safety Data Sheet

Premium Night Glow Pigment – Orange

01. FIRM AND PRODUCT IDENTIFICATION

Commercial Product Name: Photoluminescent Pigment Premium Orange

Application fields: The Photoluminescent Pigment is suitable for various kinds of transparent medium, such as paint, screen printing, plastic, coating, powder coating, ink, enamel and leather processing and printing etc. to produce luminous products with good indicating and beautifying effect in darkness. It can be widely used in emergency signs, pass ways signs, switches, enamel nameplates, road signs, toys, leather, handcrafts, clock meter panels, textile etc.

02. COMPOSITION/INFORMATION ABOUT COMPONENTS

Characterisation: Strontium Aluminate Europium Doped

Components: Sr4Al14O25:Eu,Dy,B

03. IDENTIFICATION OF EVENTUAL HAZARDS

This material safety data sheet (MSDS) has been prepared in compliance with Tie Federal Osha hazard communication standard 29 cfr 1910.1200. This product is considered to be a non-hazardous substance under that standard..

04. MEASURES OF FIRST AID

- After - **Inhalation** : Remove to fresh air.
- **Eye contact** : Flush with water for 5 minutes.
 - **Skin contact** : Wash off with soap & water.
 - **Swallowing** : Flush the mouth with water.
 - **Ingestion** : Drink lots of water & induce vomiting

05. MEASURES IN CASE OF FIRE

Suitable extinguishing media: Water/Foam/ABC powder/Carbon Dioxide.

Extinguishing media that must not be used for safety reasons: None

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases: None..

Special protective equipment for fire fighting: Fire Fighters should wear self-contained breathing apparatus

when fighting chemical fires. Use water spray to cool nearby containers and structures exposed to fire. This product will not burn. Use appropriate techniques to fight surrounding fire..

Additional information: Fire residues and contaminated fire fighting water must be disposed off in accordance with the local regulations.

06. MEASURES AFTER SPILLAGE OR ACCIDENTAL LEAKAGE

Personal Precautions: Use personal protective clothing. Avoid dust formation. Knock down dust with water spray jet.

Environmental precautions: Wrap appropriate protective equipment, avoid the generation of dust, vacuum or shovel material and place in air tight container(s) for disposal.

Methods for cleaning up/taking up: Pick up mechanically. When picked up, treat material as prescribed under heading "Disposal".

Additional information: Information regarding safe handling, see chapter 7. Information regarding personal protective measures see, chapter 8. Information regarding waste disposal, see chapter 13.

07. HANDLING AND STORAGE

Observe the usual precautions for handling chemicals.

Hints on safe handling: Air cleaning with filter of room for dust removal.

Hints for protection against fire and explosion: Observe the general rules of industrial fire protection.

Requirements for storage rooms and vessels: Store in a cool dry area. When handling wear protective clothing & respiratory protection. Avoid scattering the pigment into the air.

Storage Stability: Storage time >24 months.

08. CHECK OF INDIVIDUAL EXPOSITION/PROTECTION

Additional hints on technical system design: See chapter 7, no measures exceeding the ones mentioned are necessary.

Industrial hygiene: Do not eat or drink during work time. Do not smoke during work time.

Respiratory protection: Local exhaust/mechanical (general).

Hand protection: Plastic or Neoprene

Eye protection: None

Skin protection: Lab Coat

09. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid Powder
Colour:	Orange
Odour:	None
Melting point:	1900°C
Flash point/Ignition:	N.A
pH-value:	11~12
Burning properties:	N.A
Density:	app. 3.6 g/cm ³
Solubility in water:	Little Soluble
Solubility in organic solvents:	Insoluble

10. STABILITY AND REACTIVITY

Thermal Decomposition: None

Hazardous Decomposition Products: No hazardous decomposition products known

Hazardous reactions: The product is not at dust explosion risk when supplied; however the build-up of fine dust can lead to a risk of dust explosions.

11. INFORMATION OF TOXICITY

Effects of overexposure: May cause irritation to eyes, skin & mucous membranes.

No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen and mutagen.

Carcinogenicity: NIOSH considers this substance to be a potential occupational carcinogen.

12. INFORMATION ON ECOLOGICAL EFFECTS

Product is chemically and biologically inert. As it does not contain soluble heavy metals, the product does not cause ecological or toxicological problems like other compounds containing heavy metals.

13. INFORMATION CONCERNING DISPOSAL

Product: Dispose in accordance with state and local regulations.

European Waste Catalogue: The declaration of the waste number must be specified by the branch or process in accordance with the EMC regulations.

Contaminated Packaging: Completely empty packaging may be treated as household waste.

PL Pigment can be one of additives and added into many medium, such as coat, paint, ink plastic, glass, ceramic etc. PL Pigment can repeatedly absorb energy and emit visible light for over 20 years without any perceivable change of its properties.

14. INFORMATION CONCERNING TRANSPORT

GGVSee/IMDG-Code:-Not Regulated,UN-NR:- Not Regulated,ICAO/IATA:- Not Regulated

GGVE/GGVS: Not Classified **ADE/RID:** Not Classified **ADNR:-** Not Regulated

15. INFORMATION CONCERNING REGULATIONS

Labeling in accordance with GefstoffV/EC.: The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

National Requirements: VbF-class

16. OTHER INFORMATION

The information and recommendations contained herein are, to the best of **our** knowledge and belief, accurate and reliable as of the date issued. You can contact **Veeto Hobbies India** to ensure that this document is the most current available from **Veeto Hobbies India**. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy himself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to ensure proper health, safety and other necessary information is included with and/or on the container.

Appropriate warnings and safe- handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, re- publication or retransmission of this document, in whole or in part, is not permitted.

