

MATERIAL Safety Data Sheet

1. FIRM AND PRODUCT IDENTIFICATION

Commercial product name: ***ST series photoluminescent pigment***

Producer: **Hangzhou Suntor Technologies CO.,LTD.**

Address: 3FA1, De Yuan Building #2, Mo Gan Shan Road #633-6, Hangzhou, Zhejiang Province, China 310012

Telephone: +86 571 85720990 fax: +86 571 88825758

2. COMPOSITION/INFORMATION ABOUT COMPONENTS

Characterisation: Strontium Aluminate

FORMULA : $\text{SrAl}_2\text{O}_4:\text{Eu}^{2+}.\text{Dy}^{3+}$

3. IDENTIFICATION OF EVENTUAL HAZARDS

Critical hazards to man and environment: **none**

4. MEASURES OF FIRST AID

After - **inhalation:** Remove to fresh air. Generally, no any affection to one health
- **eye contact:** Flush with water.
- **skin contact:** harmless
- **swallowing :** Flush the mouth with water. Call a physician.

5. MEASURES IN CASE OF FIRE

Product is not inflammable and not explosive.

6. MEASURES AFTER SPILLAGE OR ACCIDENTAL LEAKAGE

Transfer material into closed containers (such as plastic, ceramic, glass not metal) by using absorption materials for disposal.

7. HANDLING AND STORAGE

Store dry under indoor conditions.

Keep containers tightly closed. Use mechanical ventilation.

Avoid contacting with dust, acid, alkali and rain.

Do not eat and drink while handling.

8. CHECK OF INDIVIDUAL EXPOSITION/PROTECTION

Industrial hygiene: Do not eat, drink or smoke in work areas.

Personal protective equipment: respiratory protection
protective gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: PALE YELLOW OR WHITE POWDER,ORDORLESS

Colour: Yellow Green

Melting point:	800°C
Flash point/Ignition:	n. a.
pH-value:	5-6
Burning properties:	n. a.
Density:	3.6~3.9 g/cm ³
Solubility in water:	little soluble
Solubility in organic solvents:	not soluble

10. STABILITY AND REACTIVITY

Thermal decomposition	none
Hazard decomposition products	none
Hazard reactions	none

11. INFORMATION OF TOXICITY

The pigment are safe as it contains NO radioactive or toxic materials.

α radiation: Specific activity (Bq/g) < 0.01

β radiation: Specific activity (Bq/g) < 0.0096

12. INFORMATION ON ECOLOGICAL EFFECTS

Pigment is chemically and biological 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

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

14. INFORMATION CONCERNING TRANSPORT

Dangerous good in the sense of the transport regulations: **NO**

15. INFORMATION CONCERNING REGULATIONS

Labelling according to EEC directives: **NONE**

16. FURTHER INFORMATION

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 is made. We can also provide the test certificate for some items, such as toxicity, ISO9001,2000, which have been shown in our catalogues.