

Pentecost International Enterprises Ltd.

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Company Name: **Antari Lighting & Effects Ltd**
Address: No. 8, Ln. 231, Sec. 1, Nankan Rd., Luzhu District,
Taoyuan County 338, Taiwan (R.O.C.)
Telephone No.: +886 3 3225829
Product Information: Visible Luminescent Paint Deep Blue

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Components</u> | <u>Weight %</u> | <u>CAS-No</u> |
|----------------------------|-----------------|---------------|
| Fluorescent Blue | 17% | 101357-30-6 |
| TiO ₂ | 3% | 13463-67-7 |
| Glycerine | 9% | 56-81-5 |
| Polyvinyl Acetate Emulsion | 71% | 9003-200-7 |

SECTION 3: HAZARDS IDENTIFICATION

Channel of Entering Human Bodies – *Inhalation *Skin Contact *Swallowing
Hazardous To Health – Acute ; Skin Allergy ; Chronic
Environment Effect – None
Physical and Chemical Hazard – None
Special Hazard – None
Main Symptoms– Skin allergy

SECTION 4: FIRST AID MEASURES

FIRST-AID METHODS:

Inhalation: Assure fresh air breathing. Allow the victim to rest.
Eye contact: 1. Use large quantify of water to wash the eye for 15 minutes and open the upper and lower eyelid.
2. Send the victim to the hospital.
Skin contact: 1. Use soap and water to wash the skin
2. Take off the contaminated clothes and wash them with soap and water.

Symptoms and Hazardous Reaction: skin allergy

Protection of The First-aid Personnel: Avoid direct contact with the chemical substance

Indications To The Doctor : Explain in details the chemical substance and the degree of hazard caused.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishers : Chemical dry powder CO₂; bubbles; water spraying

Possible Hazard : Stimulating eyes, skins, and respiratory system.

Procedure Of Extinguishing A Fire: Use the extinguishers to extinguish the fire according to the direction of the fire.

The Special Equipment Of Protection : Self-carrying type of protection for respiration.

SECTION 6: HANDLING METHOD OF LEAKAGE

Personal Attention : Prohibiting any person who does not wear the protection equipment to enter the leakage area and allowing him to leave only after taking off protection clothes and cap and taking a shower.

Environment Affect: Keeping good air circulation in the leakage area.

Cleaning Method : Using filtering system of vacuum to collect the chemical substance into a suitable container.

SECTION 7: SAFETY HANDLING AND HANDLING METHOD

Handling Technology : 1. Engineering control and protection equipment are necessary for process and storage.

2. Container has to be inspected to make sure no leakage occurs before operation.

Storage Conditions : Keeping away from the sunshine and heat.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control:

Control parameter : Allowable average concentration quantity for eight hours TWA

Allowable average concentration quantity for short time STEL

Allowable average concentration quantity for CEILING

Biological Index : LD₅₀>5000mg/kg

Equipment Of Personal Protection : Avoid direct contact with the chemical substance.

Personal Protection Of Respiration : Preparing self-carrying type of protection device for respiration.

Personal Protection Of Hands : Preparing the protection gloves.

Personal Protection Of Eyes : Preparing eyes-protecting masks

Protection Of Skin and Body : Immediately using water to wash skin and body.

Sanitation Measurement : Avoid direct contact with the chemical substance.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Status Of The Substance: Liquid

Appearance: Fluorescent Green

Smell : Liquid with slight smell of resin

Temperature Of Decomposition: -

PH Value : 6-8

Boiling Point : not determined

Solution Point: -

Vapor Pressure: -

Volatile Velocity: -

Solubility In Water : Insolubility

Natural Temperature : -

Flashing Point : not determined

Explosion Limit: Lower explosion limit (LEL) Upper explosion limit (UEL)

SECTION 10: STABILITY AND REACTIVITY

Stability : Stable

Status To Be Avoided : None

Hazardous Decomposition : None

Substance To Be Avoided : None

Possible Hazardous Reaction Under Special Condition: None

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: None

Partial Reaction: None

Sensitivity: None

Special Reaction : None

Chronic Toxicity : None

SECTION 12: ECOLOGICAL INFORMATION

Environment Affect : None

SECTION 13: HANDLING METHOD OF WASTE DISPOSAL

Handling Method Of Waste Disposal : Safely burying

SECTION 14: TRANSPORTATION

Special Precautions for User: Not Restricted

Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not determined

SECTION 15: REGULATORY INFORMATION

Suitable Law : Not available

SECTION 16: OTHER INFORMATION

Reference: Not available

Make Unit :

Name : Antari Lighting & Effects Ltd

Address: No. 8, Ln. 231, Sec. 1, Nankan Rd., Luzhu District,
Taoyuan County 338, Taiwan (R.O.C.)

Phone: +886 3 3225829

Name: Jason Ho

Date: 1 May 2018