

# Pentecost International Enterprises Ltd.

## MATERIAL SAFETY DATA SHEET

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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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 Bright Red

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>Components</u>	<u>Weight %</u>	<u>CAS-No</u>
Fluorescent Orange	1%	68427-35-0
Fluorescent Red	15%	3068-39-1
TiO <sub>2</sub>	1%	13463-67-7
Glycerine	7%	56-81-5
Polyvinyl Acetate Emulsion	76%	9003-200-7

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### SECTION 3: HAZARDS IDENTIFICATION

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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

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### SECTION 4: FIRST AID MEASURES

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#### 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.

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### SECTION 5: FIRE FIGHTING MEASURES

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Suitable Extinguishers : Chemical dry powder CO<sub>2</sub>; 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.

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## **SECTION 6: HANDLING METHOD OF LEAKAGE**

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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.

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## **SECTION 7: SAFETY HANDLING AND HANDLING METHOD**

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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.

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## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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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 : LD<sub>50</sub>>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.

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## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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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)

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## **SECTION 10: STABILITY AND REACTIVITY**

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Stability : Stable

Status To Be Avoided : None

Hazardous Decomposition : None

Substance To Be Avoided : None

Possible Hazardous Reaction Under Special Condition: None

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

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Acute Toxicity: None

Partial Reaction: None

Sensitivity: None

Special Reaction : None

Chronic Toxicity : None

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## **SECTION 12: ECOLOGICAL INFORMATION**

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Environment Affect : None

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## **SECTION 13: HANDLING METHOD OF WASTE DISPOSAL**

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Handling Method Of Waste Disposal : Safely burying

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## **SECTION 14: TRANSPORTATION**

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Special Precautions for User: Not Restricted

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

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## **SECTION 15: REGULATORY INFORMATION**

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Suitable Law : Not available

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## **SECTION 16: OTHER INFORMATION**

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Reference: Not available

Make Unit :

Name : Antari Lighting & Effects Ltd

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