

# Zhangjiagang Suiyuan Lighting Electrical Appliance CO., LTD

## Material Safety Data Sheet for three-band fluorescent bulbs

Model No.: PL 兀 9W, 13W

### Section I – Information of Manufacturer

Zhangjiagang Suiyuan Lighting Electrical Appliance CO., LTD	Telephone: 86-512-56793781 Fax: 86-512-56793782
Add: Industrial park, Cangji Village, YangsheTown, Zhangjiagang City, Jiangsu Province, China. Zip Code: 215600	Date Prepared: 2014.12 .25
	Checker:
	Approver:

### Section II -Hazardous Information

**IMPORTANT NOTE:** Can't break the fluorescent bulb arbitrarily because it itself contains harmful substances. When it is broken, it will produce the powder floating in the sky, the severe will affect the local air pollution.

MATERIAL OR INGREDIENT	CAS No.	% Wt.
Lead-free glass tube		62
Three-band fluorescent powder		1.58~1.6
Aluminum oxide	1344-28-1	0.97~1
PBT Plastic		15.6
Aluminum housing		2.6
Capacitor	N.A.	0.97~1
Copper wire	N.A.	1~1.5
Other	N.A.	14.5~14.7

### Section III –Physical / Chemical Characteristics

Boiling Point N.A.	Specific Gravity (H <sub>2</sub> O=1)
	N.A.
Vapor Pressure(mm Hg) N.A.	Melting Point
	N.A.
Vapor Density(AIR=1) N.A.	Evaporation Rate(Butyl Acetate)
	N.A.
Solubility in Water N.A.	
Appearance and Odor 兀 Shape, odorless	

## Section IV –Hazard Classification

Classification	N.A.
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## Section V –Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	×	
Incompatibility(Materials to Avoid)			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	×	

## SECTION VI – Fire and Explosion Hazard Data

Flash Point (Method Used)	Ignition Temp.	Flammable Limits	LEL	UEL
N.A.	N.A.	N.A.	N.A.	N.A.
Extinguishing Media Carbon Dioxide, Dry Chemical or Foam extinguishers				
Special Fire Fighting Procedures N.A.				
Unusual Fire and Explosion Hazards Do not dispose of bulb in fire - may explode and cause burns of the plastic part on the bezel.				

## SECTION VII - Health Hazard Data

Route(s) of	Inhalation	Skin	Ingestion
Entry	N.A.	N.A.	N.A.
Health Hazard (Acute and Chronic) / Toxic logical information.			
In case of the bulb breaks, after skin contact skin is likely to be scratched.			

## SECTION VIII – First Aid Measures

First Aid Procedures
If fluorescent is broken when disposition, the powder occurs and makes contact with eyes, wash with copious amounts of water for fifteen (15) minutes, and contact a physician.
During the a large number of disposal of waste fluorescent bulbs, the workplace should supply the fresh air and ventilate the pollution area.

## SECTION IX - Accidental Release or Spillage

Discarded and broken glasses should be handled with care.
Avoid skins direct contact with broken glasses.
Wear protective clothing and a positive pressure Self-Contained Breathing Apparatus (SCBA).

## Section X – Handling and Storage

Safe handling and storage advice
Bulbs should be stored in a dry ventilation environment, avoid oxidation phenomenon.
Do not store in disorderly part number, or allow oxidative gas and chemical substances with possible leakage to be mixed with stored bulbs. .
Never disassemble a bulb.
Keep bulbs between -30°C and 25°C for prolong storage.

## Section XI – Exposure Controls / Person Protection

Occupational Exposure Limits: LTEP N.A.		STEP N.A.
Respiratory Protection (Specify Type) N.A.		
Ventilation	Local Exhausts N.A.	Special N.A.
	Mechanical (General) N.A.	Other N.A.
Protective Gloves N.A.		Eye Protection N.A.
Other Protective Clothing or Equipment N.A.		
Work / Hygienic Practices N.A.		

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## **Section XII – Ecological Information**

N.A.

## **Section XIII – Disposal Method**

Dispose of bulbs according to government regulations.

## **Section XIV – Adjustment Information**

Special requirements are adjusted according to local regulations.

## **Section XV –Other Information**

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

## **Section XVI – Measures for fire extinction**

In case of fire, it is permissible to use any class of extinguishing medium on these bulbs or their packing material. Fire fighters should wear self-contained breathing apparatus.