

1. Identification of the substance/preparation/manufacture

SDS	PestWest Product Code: 130-000336
Supplier	PestWest USA 7135 16th Street E, Ste 124 Sarasota FL 34243 Tel: 941.358.1983
Tradename	PestWest QBL LED 370nm T8 18" Lamp
General description	LED Lamp
Use	Insect attraction
Publication date	June 12, 2024
Date last update	
General information	us.pestwest.com
Emergency phone number	Poison Control: 800-222-1222

2. Hazard identification

Under normal installation and use of an intact lamp, no adverse health effects are expected.

3. Composition/information on ingredients

If the lamps are broken, the following materials may be released:

Component	% by weight	CAS No.	EC No.	EC Classification
1 Cap_PC925U	5.24	111211-39-3		
2 Cover_PMMA IF850	40.02	9011-87-4		
3 PC Box	1.96	25037-45-0, 13463-67-7,		
4 Varistor	0.24	1314-13-2, 14464-46-1, 1675-54-3, 7439-89-6, 7440-31-5		
5 Transformer	2.91	1309-37-1, 1317-35-7, 1314-13-2		
6 Electrolytic capacitor	1.41	7429-90-5, 9004-34-6, 107-21-1, 7704-34-9, 7429-90-5, 29154-49-2		
7 Wire	0.84	25067-11-2, 7440-50-8, 7440-31-5, 3520-72-7		
8 PCB_FR4	1.82	65997-17-3, 9002-84-0,		
9 Chip resistor	0.06	1344-28-1, 7440-02-0, 7440-31-5		
10 Rectifier bridge	2.95	7440-31-5, 14808-60-7, 7440-50-8, 29690-82-2		
11 SMT IC	0.17	7440-50-8, 7440-31-5, 231-130-8, 7440-22-4		
12 SMT capacitor	0.16	12047-27-7, 7440-22-4, 1314-23-4, 7440-05-3		
13 SMT diode	0.07	14808-60-7, 29690-82-2, 7440-50-8, 7440-31-5		
14 X2 capacitor	0.77			
15 CBB capacitor	0.52			
16 Inductor	2.44			
17 Fuse resistor	0.03			
18 Heatsink_Al6063	26.77	7429-90-5, 7439-95-4		
19 Protective Sleeve_PC+ABS	0.21	25037-45-0, 9003-56-9		
20 PCB_Al1060	6.9	7429-90-5, 7440-50-8		
21 Solder paste	0.09	7440-31-5	231-141-8,	
22 LED	0.7			
23 Screw_SUS304	0.28	7439-89-6, 7440-47-3, 7440-02-0		
24 LED Starter	2.1	64742-94-5		
25 Tinned copper wire	0.16	7440-50-8, 7440-31-5,		
26 Silicone Insulation	0.12	68951-99-5, 112945-52-5, 63148-62-9, 63148-58-3		
27 Connector metal_Copper plate	0.07	7440-50-8 7440-66-6		
28 Copper Pins	0.84	7440-50-8 7440-66-6 7440-31-5		

29	Tin wire	0.08	7440-31-5 7440-50-8 7440-55-3	231-141-8 231-159-6		
30	PET paper	0.07	25038-59-9			

4. First-aid measures

Skin	Direct or prolonged exposure to ultraviolet (UV) radiation may cause skin irritation. Avoid unnecessary skin exposure. If skin is directly exposed, discontinue exposure and apply normal first aid measures. Seek medical attention if irritation persists.
Ingestion	Accidental ingestion of small quantities of lamp components is not expected to cause adverse health effects. This is not an anticipated route of exposure under normal use. If a significant amount is ingested, seek medical attention.
Inhalation	No adverse effects are expected from inhalation when the lamp remains intact. This is not an anticipated route of exposure under normal use.
Eyes	Direct or prolonged exposure to ultraviolet (UV) radiation may cause irritation. Excessive exposure may result in corneal injury. Avoid direct eye exposure. If exposure occurs, promptly flush eyes with clean water or sterile saline for at least 15 minutes, lifting the upper and lower eyelids occasionally. Seek medical attention if irritation persists.

5. Fire fighting measures

Fire-extinguisher	None
Hazardous decomposition products in fire	silicon dioxide, aluminium oxides, nickel oxides, copper oxides, boric oxides,

6. Accidental release measures

Spillage procedure	Not applicable if lamp is in original state. If lamps are broken, take standard measures for clean-up.
Emergency procedure	Not applicable

7. Handling and storage

Local exhausting	Under normal circumstances not applicable
Storage conditions	No special precautions

8. Exposure controls/personal protection

Exposure limits :	
Applicable to: Netherlands (20°C; 1013 mbar)	
All materials:	No MAC(STEL) has been laid down
Applicable to: Belgium (20°C; 1013 mbar)	
All materials:	No MAC(STEL) has been laid down
Applicable to: Germany (20°C; 1013 mbar)	
All materials:	No MAC(STEL) has been laid down
Applicable to: USA (25°C; 1013 mbar)	
All materials:	No MAC(STEL) has been laid down
C=Ceiling; S=Skin	
Remarks exposure limits	None
Odour threshold (20°C; 1013 mbar)	Not traceable
Advised personal protection	
Skin	Protection in case of continuous operation at short range outside specified equipment.
Eyes	Protection in case of continuous operation at short range outside specified equipment.
Inhalation	Not applicable
Instructions regarding broken lamps	
These instructions only apply to broken lamps	
Ventilation	None
Respiratory protection	None
Eye protection	Wear safety glasses, goggles, or face shield when handling broken lamps.
Protective clothing	Wear appropriate protective clothing and gloves to prevent cuts or injury from sharp metal parts.
Hygiene	After handling broken lamps, wash hands thoroughly before eating, handling tobacco products, applying cosmetics, or using toilet facilities.

9. Physical and chemical properties	
Physical state	Article
Color	Colorless
Odor	Odorless
Vapor rate/range	Not applicable
Boiling point/range	Not traceable
Melting point/range	>140°C
Flash point/range	Not applicable
Explosive limits	Not applicable
Dust explosions possible in air	Not applicable
Density	Not traceable
Vapor pressure	Not applicable
Solubility in water	Not applicable
Solubility in fat	Not applicable
pH	Not applicable
Viscosity	Not applicable
Autoignition temperature	>304°C
Decomposition temperature	Not traceable
Electrostatic chagement	Not traceable

10. Stability and reactivity	
Product is stable under conditions described in Section 7	
Conditions to avoid	None
Reactions with water	None
Hazardous reactions	None
Hazardous decomposition products at heating	None

11. Toxicological information		
Symptoms		
Skin	local	Not applicable
	general	Not applicable
Ingestion	local	Not applicable
	general	Not applicable
Inhalation	local	Not applicable
	general	Not applicable
Eyes	local	Not applicable
Remarks symptoms	None	
Toxicity	Not traceable	
Ames test (mutagenic test)	Not traceable	

12. Ecotoxicological information			
Biological oxygen demand (5)	Not traceable		
Chemical oxygen demand	Not traceable		
Biological/chemical oxygen demand ratio	Not traceable		
Degradability	Not traceable		
Biochemical factor	Not traceable		
Log Po/w	Not traceable		
Henry Constant	Not traceable		
Ecotoxicity:	Not traceable		
Remarks on ecotoxicity	None		

13. Disposal considerations	
Before disposing of waste lamps check with state, country, and/or local officials for current guidelines and regulations. LED filaments contained within lamps may be considered as electronic waste in some states.	

14. Transport information		
ADR/RID		
UN-number		N/A
Class		N/A
Packing group		N/A
Transport emergency card		N/A
IMO		
UN-number		N/A
Class		N/A
Packing group		N/A
Marine pollutant		N/A
IATA/ICAO		
UN-number		N/A
Class		N/A
Packing group		N/A

15. Regulatory information	
EC-Label	N/A
Remarks on EC-labeling	None

16. Other information	
Remarks on MSDS	These lamps emit Ultraviolet Radiation (UV-A). Avoid prolonged exposure. Skin and eye protection are recommended in case of continuous operation at short range outside the normal operating equipment.
Overview relevant H-phrases from all components in section 3	
H315	Causes skin irritation
H317	Can cause an allergic skin reaction
H318	Causes serious eye damage
H335	Can cause irritation of airways
H411	Toxic for waterborne organisms, with long-term consequences

The information provided in this Material/Product Safety Data Sheet is correct to the best of the knowledge, information and belief of Seoul Viosys Co., Ltd. at the date of its printing.

Seoul Viosys Co. Ltd. as mfr. of record and their EPA Est. No. 104044-CHN-1
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**WARNING: Cancer and/or
Reproductive Harm**
www.P65Warnings.ca.gov

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SAFETY DATA SHEET