



SPEK Lighting

A Specialty Lamp Manufacturer

MATERIAL/PRODUCT SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (modified by Regulation (EU) No. 453/2010)

1. Identification of the substance/preparation/manufacturer

MSDS	GARDNER LED Products: F7T8BL 18" MULTI NM LED 120V and MAG BALLAST ONLY EL-06M F8T8BL 24" MULTI NM LED 120V and MAGNETIC BALLAST ONLY EL07M F7T8BL MULTI NM LED 120V ELECTRONIC BALLAST ONLY EL-06E
Supplier	SPEK Lighting/Lighting Products Limited 6F Citi Corp Centre 18 Whitfield Road Hong Kong
Trade name	Gardner
General description	LED Lamp
Use	Insect attraction
Publication date	August 2024
Date last update	August 2024
Emergency phone number	813-961-3780

2. Hazard identification

Not applicable to intact lamp. When dropped from heights <6m the glass may crack but all fragments are contained. When dropped from >6m, some fragments may escape and present a cut hazard.

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 Glass	26.22%	2446523-50-6		
2 LED Driver	22.22%			
3 Aluminium	13.11%	7429-90-5	231-072-3	
4 Cap Brass pins	1.11%			
5 Epoxy board resin	1.56%			
6 LED Emitters	1.18%			
7 Capping adhesive	1.11%	9011-14-7		

4. First-aid measures

Skin	Apply normal first aid for glass cuts if such occur through lamp breakage
Ingestion	In the unlikely event of ingestion of a large quantity of material, seek medical attention
Inhalation	None
Eyes	Apply normal first aid for glass cuts if such occur through lamp breakage
Remarks first aid	None

5. Firefighting measures

Flammability:	Non-combustible
Extinguishing media:	Whatever is appropriate for the surrounding fire

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6. Accidental release measures	
Spillage procedure	<p>Take usual precautions for collection of broken glass. Wear protective gloves/ clothing for non-emergency personnel</p> <p>DO NOT USE VACUUM CLEANER. Vacuuming is not recommended unless broken glass remains after all other cleanup steps have been taken. Scoop up glass fragments using stiff paper or cardboard and sticky tape. Place cleanup materials in a sealable container. Be thorough in collecting broken glass.</p>
7. Handling and storage	
Local exhausting	Under normal circumstances not applicable
Storage conditions	No special precautions
Storage code	none
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	The use of safety glasses, goggles or face shields is recommended for handling broken lamps, as described in European Standard EN 166.
Protective clothing	Wear appropriate protective clothing to prevent cuts from broken glass and sharp metal parts
Hygiene	After handling broken lamps wash thoroughly before eating, handling tobacco products, applying cosmetics or using toilet facilities.

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9. Physical and chemical properties

Physical state	Solid
Color	colorless
Odor	odorless
Vapor rate/range	not applicable
Boiling point/range	not traceable
Melting point/range	> 400 °C
Flash point/range	not applicable
Explosive limits	not applicable
Dust explosions possible in air	not applicable
Density	not traceable
Vapour pressure	not applicable
Solubility in water	not applicable
Solubility in fat	not applicable
pH	not applicable
Viscosity	not applicable
Autoignition temperature	not applicable
Decomposition temperature	not traceable
Electrostatic chargement	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		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		

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14. Transport information

ADR/RID	
UN-number	N/A
Class	N/A
Packinggroup	N/A
Transport emergency card	N/A
IMO	
UN-number	N/A
Class	N/A
Packinggroup	N/A
Marine pollutant	N/A
IATA/ICAO	
UN-number	N/A
Class	N/A
Packinggroup	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.
Inner company references	none
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

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