1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION/MANUFACTURER

Supplier:	PestWest USA LLC 7135 16th Street E, Suite 124 Sarasota, FL 34243
Telephone No:	Tel: 941 358 1983
Tradename:	PestWest Quantum BL Lamps
General description:	Quantum BL (UVA) lamps for insect light traps, which attract flying insects.
Use:	Flying insect attraction.
Publication date:	2/12/2018
General information:	www.pestwest.com
Emergency phone number:	Tel: +49 (0)9131-7930

2. HAZARDS IDENTIFICATION

Not applicable to intact lamp. Lamp may crack or break if dropped or impact with horizontal or vertical surfaces.

3. COMPOSITION/INFORMATION ON INGREDIENTS

If a lamp is broken, the following materials may be released:

Component	% by weight	CAS No.	EC No.	EC Classification	
Glass	>90				
Strontium borate, europium-doped	<2	102110-29-2	310-028-8		
Krypton	<0,1	7439-90-9	231-098-5	R	R99
Argon	<0,1	7440-37-1	231-147-0	R	R99
Mercury	<0,1	7439-97-6	231-106-7	Repr. Cat.2	R61
				T+	R26
				T	R48/23
				N	R50/53
Tungsten	<0,1	7440-33-7	231-143-9		
Metals	<2				
Capping cement	<2				

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:	If discomfort, irritation, or pulmonary symptoms emerge, move away from exposure and seek medical attention.
Eyes:	Immediately rinse eyes (including under eyelids) with abundant amounts of water for 20 minutes. Seek medical attention.
Remarks for First Aid:	None

5. FIRE-FIGHTING MEASURES

Fire-extinguisher:	Use extinguishing agents suitable for suppressing fire.
Hazardous decomposition products in fire:	silicon dioxide, aluminium oxides, mercury oxides, strontium oxide, boric oxides, europium oxides, metal oxide, tungsten oxides

6. ACCIDENTAL RELEASE MEASURES

Spillage procedure:	Not applicable if lamp is in original state. If lamps are broken: ventilate area where breakage occured. Clean-up using special Mercury vacuum cleaner or other appropriate agent for preventing vaporization. Use standard practices for cleaning-up broken glass and deposit in a locked container.
Emergency procedure:	No special precautions.
Storage code:	None

7. HANDLING AND STORAGE

Local exhausting:	Under normal circumstances not applicable.
Storage conditions:	No special requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits :

Applicable to: Netherlands (20 °C; 1013 mbar)			
Glass		No MAC(STEL) has been laid down	
Strontium borate, europium-doped		No MAC(STEL) has been laid down	
Krypton/Argon		No MAC(STEL) has been laid down	
Mercury		TLV:	0.05 mg/m3 (Women in the fertile age: consult the industrial hygienist)
Mercury		STEL:	0.5 mg/m3 (Women in the fertile age: consult the industrial hygienist)
Tungsten		No MAC(STEL) has been laid down	
Metals		No MAC(STEL) has been laid down	
Capping cement		No MAC(STEL) has been laid down	
Applicable to: Belgium (20 °C; 1013 mbar)			
Mercury	S	TLV:	0.025 mg/m3 S (Women in the fertile age: consult the industrial hygienist)
		TLV:	5 mg/m3
		STEL:	10 mg/m3
Applicable to: Germany (20 °C; 1013 mbar)			
Mercury	S	TLV:	0.1 mg/m3 (Women in the fertile age: consult the industrial hygienist)
Tungsten		TLV:	5 mg/m3 (as inhalable dust)
Applicable to: USA (25 °C; 1013 mbar)			
Krypton/Argon		No MAC(STEL) has been laid down	
Mercury	S	TLV:	0.025 mg/m3 (Women in the fertile age: consult the industrial hygienist)
Tungsten		TLV:	5 mg/m3
Tungsten		STEL:	10 mg/m3
C=Ceiling; S=Skin			
Remarks exposure limits	None		
	Not traceable		
Advised personal protection:			
Skin:	Not applicable		
Eyes:	Not applicable		
Inhalation:	Not applicable		
Instructions regarding broken lamps:			
These instructions only apply to broken lamps.			
Ventilation:	Use both general and local exhaust ventilation to maintain exposure levels below the long and short term limits. If such ventilation is not available use the respirators as specified below.		
Respiratory protection:	European Standard EN 149 must be followed whenever workplace conditions warrant a respirator´s use.		
Eye protection:	The use of safety glasses, goggles or face shields is recommended for handling broken lamps, (described in European Standard EN 166).		
Protective clothing:	Wear appropriate protective clothing to prevent skin exposure.		
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:	Type dependent
ODOR:	Odorless
VAPOR RATE/RANGE:	Not applicable
BOILING POINT/RANGE:	Not traceable
MELTING POINT/RANGE:	> 480 °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:	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:	No
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 applicable
Ames test:		Not applicable

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:		>2500 MERCURY	Source	Supplier
Log Po/w:		4.5 MERCURY	Source	Chemicalcards
Henry Constant:		Not traceable		
Ecotoxicity :				
Mercury:	Fish	LC-50: 0.004 mg/l/96H	Source	Supplier
Mercury:	Daphnia	EC-50: 0.0052 mg/l/48H	Source	Supplier
Mercury:	Algae	IC-50: 0.3 mg/l/72H	Source	Supplier
Remarks on ecotoxicity:		None		

13. DISPOSAL CONSIDERATIONS

All fluorescent lamps contain some amount of Mercury (Hg).. Properly dispose of waste lamps according to all local, State, and Federal Laws.

14. TRANSPORT INFORMATION

	ADR/RID	
	UN-number	2809 MERCURY IN MANUFACTURING ARTICLES
	Class	8
	Packing group	III
The product contains less than 1g of Mercury and box contains less than 30g of Mercury. Therefore goods are exempt from dangerous goods regulation, Subject to SP366. Not restricted Special Provision A69 section 1.2.11.	Transport emergency card 80GC9-III	80GC9-III
	IMO	
	UN-number	2809 MERCURY IN MANUFACTURING ARTICLES
	Class	8
	Packinggroup	III
	Marine pollutant	No
	IATA/ICAO	
	UN-number	2809 MERCURY IN MANUFACTURING ARTICLES
	Class	8
The product contains less than 1g of Mercury and box contains less than 30g of Mercury. Therefore goods are exempt from dangerous goods regulation, Subject to SP366. Not restricted Special Provision A69 section 1.2.11.	Packing group	III

15. REGULATORY INFORMATION

EC-Label:	Not applicable
Remarks on EC-labeling	None

16. OTHER INFORMATION

Remarks on SDS:	Working of this product may release toxic dust. Toxic Mercury vapors can be released if the lamp is broken. These lamps emit Ultraviolet Radiation (UV-A). Avoid prolonged exposure. For transport exemption consult applicable regulations. The product contains <= 10 mg Mercury.
SDS content data provided by:	Feilo Sylvania Germany GMBH
Inner company references:	None
Overview relevant R-sentences from all components in section 3.	
R26	
R48/23	
R50/53	
R61	
R99	
Date last update:	02/12/2018