SAFETY DATA SHEET

According to EC 1907/2006 (REACH)

1. Identification of the substance/mixture and of the company/undertaking

MSDS : 23553 **Version number :** 1.0
Product code 12nc : 9280 247 01029
Supplier : PHILIPS LIGHTING, ROOSENDAAL

P.O.Box 1109
4700 BC Roosendaal
The Netherlands

Tradename : ACTINIC BL 15W/10 SECURA (SLV/25)
General description : INSECT LAMP
Use : Various
Date last verification : 2010-11-11
Revision date : 2010-11-11
Publication date : 2006-08-22
Supplier safety data sheet : Philips Electronics Nederland B.V., P.O. Box 218, 5600 MD Eindhoven, Tel. +31 40 2786069
Responsible department : dangerous.goods@philips.com
Emergency phone number : +31 (0)497-598315

2. Hazards identification

* GHS Classification ((EC) No 1272/2008)

Not classified according to GHS classification.

*** GHS-Label :** not applicable

EC Classification ((EC) No 67/548 or 1999/45)

Not classified according to EC classification.

EC-Label : not applicable

Remarks on EC-labelling none

Other hazards : Data not available.

3. Composition/information on ingredients

Component	CAS-no. EC-no.	Index No. Registration no.	Percentage(%)	GHS-label EC-label
GLASS	65997-17-3 266-046-0			
STRONTIUM BORATE OXIDE, EUROPIUM-DOPED	102110-29-2 310-028-8			
FILLING GAS (KR/AR)				* GHS04 H280 Press. gas - compressed EUHP99 Asphixiant R: 99
MERCURY	7439-97-6 231-106-7	080-001-00-0		* GHS06 GHS08 GHS09 H330 Acute tox. 2 H360D Repr. 1B H372 STOT RE 1 H410 Aquatic chronic 1 T+,N;R: 61 26 48/23 50/53 Repr.Cat. 2
TUNGSTEN	7440-33-7 231-143-9			
METALS				
CAPPING CEMENT				

4. First aid measures

Skin : Not applicable.

Ingestion	:	Not applicable.
Inhalation	:	Not applicable.
Eyes	:	Not applicable.
Remarks first aid	:	none

5. Firefighting measures

Fire-extinguisher	:	determined by surrounding
Unsuitable fire-extinguisher	:	not traceable
Special fire-fighting equipment	:	In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.
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 lamp is broken: clear up using special mercury vacuum cleaner or other appropriate agent for preventing vaporisation. Take standard measures for clearing up broken glass and deposit in a lockable container.
Emergency procedure	:	not applicable

7. Handling and storage

Local exhausting	:	Under normal circumstances not applicable.
Storage conditions	:	No special precautions.
Storage code (on behalf of PGS 15)	:	

8. Exposure controls/personal protection

Exposure limits :

applicable to: The Netherlands (20 ºC; 1013 mbar)

No TWA has been laid down.			GLASS
No TWA has been laid down.			STRONTIUM BORATE OXIDE, EUROPIUM-DOPED
No TWA has been laid down.			FILLING GAS (KR/AR)
TWA(8 hours):	0.02 mg/m3		MERCURY
No TWA has been laid down.			TUNGSTEN
No TWA has been laid down.			METALS
No TWA has been laid down.			CAPPING CEMENT

applicable to: Belgium (20 ºC; 1013 mbar)

TWA(8 hours):	0.025 mg/m3	S	MERCURY(Women in the fertile age: consult the industrial safety officer.)
TWA(8 hours):	5 mg/m3		TUNGSTEN
TWA(15 minutes):	10 mg/m3		TUNGSTEN

applicable to: Germany (20 ºC; 1013 mbar)

TWA(8 hours):	0.1 mg/m3	S	MERCURY(Women in the fertile age: consult the industrial safety officer.)
TWA(8 hours):	5 mg/m3		TUNGSTEN(as inhalable dust)

applicable to: United States of America (25 ºC; 1013 mbar)

No TWA has been laid down.			FILLING GAS (KR/AR)
TWA(8 hours):	0.025 mg/m3	S	MERCURY(Women in the fertile age: consult the industrial safety officer.)
TWA(8 hours):	5 mg/m3		TUNGSTEN
TWA(15 minutes):	10 mg/m3		TUNGSTEN

applicable to: Sweden (20 ºC; 1013 mbar)

TWA(8 hours):	5 mg/m3		TUNGSTEN(as dust)

applicable to: Switzerland (20 ºC; 1013 mbar)

TWA(8 hours):	0.05 mg/m3		MERCURY(fume)
TWA(15 minutes):	0.4 mg/m3		MERCURY(fume)

applicable to: China (20 ºC; 1013 mbar)

TWA(8 hours):	0.02 mg/m3	S	MERCURY
TWA(15 minutes):	0.04 mg/m3	S	MERCURY
TWA(8 hours):	5 mg/m3		TUNGSTEN

TWA(15 minutes): 10 mg/m3 TUNGSTEN

applicable to: European Union (20 ºC; 1013 mbar)
TWA(8 hours): 0.02 mg/m3 MERCURY
(20 ºC; 1013 mbar)

C=Ceiling; S=Skin

Remarks exposure limits :
none

Odour threshold (20ºC; 1013 mbar) :
not traceable

DNEL (Derived No Effect Level)
30 ug Hg/g creatine in urine MERCURY

PNEC (Predicted No Effect Concentration)
0.0574 ug/L MERCURY

Advised personal protection :

Hands	:	not applicable
Breakthrough time	:	not applicable
Eyes	:	not applicable
Inhalation	:	not applicable
Skin	:	none (when used normally)

9. Physical and chemical properties

Physical state	:	article
Colour	:	type dependent
Odour	:	odourless
Vapor rate/range	:	not applicable
Boiling point/range	:	not traceable
Melting point/range	:	>480 ºC
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

Conditions to avoid	:	none
Reactions with water	:	no
Hazardous reactions with	:	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 :

LD-50: >2.0 g/kg (ORL-RAT), TUNGSTEN
Method : OECD 401
Source : Supplier

LC-50: >5.4 mg/l/4H (IHL-RAT), TUNGSTEN
Method : OECD 403
Source : Supplier

LD-50: >2.0 g/kg (SKN-RAT), TUNGSTEN
Method : OECD 402
Source : Supplier

Ames test : not traceable

12. Ecological 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 :

LC-50: 0.004 mg/l/96H (Fish), MERCURY	**Source** :	Easi View
EC-50: 0.0052 mg/l/48H (Daphnia), MERCURY	**Source** :	ChemDat (Merck)
IC-50: 0.3 mg/l/72H (Algae), MERCURY	**Source** :	Easi View

Remarks on ecotoxicity : none

13. Disposal considerations

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

14. Transport information

ADR/RID	**UN-number**	:	2809 MERCURY CONTAINED IN MANUFACTURED ARTICLES
	Hazard identification number	:	none
	Class	:	8
	Packinggroup	:	III
IMO	**UN-number**	:	2809 MERCURY CONTAINED IN MANUFACTURED ARTICLES
	Class	:	8
	Packinggroup	:	III
	Marine pollutant	:	no
IATA/ICAO	**UN-number**	:	2809 MERCURY CONTAINED IN MANUFACTURED ARTICLES
	Class	:	8
	Packinggroup	:	III

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

- Articles are exempted from Toxic Substances Control Act Inventory (USA).

16. Other information

Remarks on MSDS

Working of this product may release toxic dust.
Toxic mercury vapours can be released if the lamp is broken.
These lamps emit Ultraviolet Radiation (UV-A). Avoid prolonged exposure.
For transport exemptions consult applicable regulations.
The product contains <= 8 mg mercury.

Overview relevant H-sentences from all components in section 3 :

H280	Contains gas under pressure; may explode if heated.
H330	Fatal if inhaled.
H360D	May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
EUHP99	Suffocating in high concentrations.

Overview relevant hazard statements from all components in section 3 :

N	DANGEROUS FOR THE ENVIRONMENT
T+	VERY TOXIC

Overview relevant R-sentences from all components in section 3 :

26	Very toxic by inhalation.
48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

61	May cause harm to the unborn child.
99	Suffocating in high concentrations.

* Point to alterations with regard to the previous version.
The information provided in this Material Safety Data Sheet is correct to the best of the knowledge, information and belief of Philips Electronics Nederland B.V. at the date of its printing.