

# SAFETY DATA SHEET

According to EC 1907/2006 (REACH)

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

**MSDS** : 26854 **Version number** : 1.0  
**Product code 12nc** : 9280 248 01029  
**Supplier** : PHILIPS LIGHTING, ROOSENDAAL  
P.O.Box 1109  
4700 BC Roosendaal  
The Netherlands

**Tradenname** : ACTINIC BL TL-D 15W/10  
**General description** : DISCHARGE TUBE  
**Use** : Various  
**Date last verification** : 2011-05-24  
**Revision date** : 2011-05-24  
**Publication date** : 2011-05-24  
**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

**Remarks on GHS-labelling** none

### 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.	Index No.	Percentage(%)	GHS-label
	EC-no.	Registration no.		EC-label
GLASS	65997-17-3			
	266-046-0			
MERCURY	7439-97-6	080-001-00-0		GHS06
	231-106-7			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				
FILLING GAS				GHS04
				H280 Press. gas - compressed
				EUHP99 Asphixiant
				R: 99

## 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 : mercury oxides, metal oxide, tungsten oxides

## 6. Accidental release measures

Spillage procedure : Not applicable if article is in original state. If article 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 °C; 1013 mbar)

No TWA has been laid down. GLASS  
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. FILLING GAS

#### applicable to: Belgium (20 °C; 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 °C; 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 °C; 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: Sweden (20 °C; 1013 mbar)

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

#### applicable to: Switzerland (20 °C; 1013 mbar)

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

#### applicable to: China (20 °C; 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 °C; 1013 mbar)

TWA(8 hours): 0.02 mg/m3 MERCURY  
(20 °C; 1013 mbar)

C=Ceiling; S=Skin

**Remarks exposure limits :**

none

**Odour threshold (20°C; 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** : not traceable  
**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 chagement** : 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

<b>Biological/chemical oxygen demand ratio</b>	: not traceable		
<b>Degradability</b>	: not traceable		
<b>Biochemical factor</b>	: >2500 MERCURY	<b>Source</b>	: Supplier
<b>Log Po/w</b>	: 4.5 MERCURY	<b>Source</b>	: Chemicalcards
<b>Henry Constant</b>	: not traceable		

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

<b>ADR/RID</b>	<b>UN-number</b>	: 2809 MERCURY CONTAINED IN MANUFACTURED ARTICLES
	<b>Hazard identification number</b>	: none
	<b>Class</b>	: 8
	<b>Packinggroup</b>	: III
	<b>Remarks</b>	: This product is not subject to the transportation regulations of dangerous goods by road (ADR) based on special provision 599 (<1 kg mercury per article).
<b>IMO</b>	<b>UN-number</b>	: 2809 MERCURY CONTAINED IN MANUFACTURED ARTICLES
	<b>Class</b>	: 8
	<b>Packinggroup</b>	: III
	<b>Marine pollutant</b>	: no
	<b>Remarks</b>	: This product is not subject to the transportation regulations of dangerous goods by sea (IMO) based on special provision 941 (<1 kg mercury per article).
<b>IATA/ICAO</b>	<b>UN-number</b>	: 2809 MERCURY CONTAINED IN MANUFACTURED ARTICLES
	<b>Class</b>	: 8
	<b>Packinggroup</b>	: 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 article is broken.  
The product contains 8.0 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.