



Alcochem Hygiene BV

Zeilmaker 4
3861 SM Nijkerk
The Netherlands

hygiene@alcochem.com

MATERIAL/PRODUCT SAFETY DATA SHEET - According to EC 1907/2006 (REACH)

The Netherlands, Date last verification : 2018-05-15

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Manufacturers name Alcochem Hygiene BV, Zeilmaker 4, 3861 SM Nijkerk, The Netherlands
E-Mail hygiene@alcochem.com
Tradename Philips TL-D type: 15 watt, 18 watt, 36 watt UV-A lamps and green lamps
 Philips PL-S type: 9 watt UV-A lamps Philips PL-L type: 11 watt and 36 watt UV-A lamps
 All lamp types in shatterproof and non-shatterproof execution.

1.2. Relevant identified uses of the substance or mixture and uses advised against

General description LAMP
Use Various
Uses advised against Data not available.

1.3. Details of the supplier of the safety data sheet

Supplier safety data sheet Alcochem Hygiene BV, Zeilmaker 4, 3861 SM Nijkerk, The Netherlands
Responsible department hygiene@alcochem.com

1.4. Emergency telephone number

Emergency telephone number +31 (0)33 - 299 4139

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture (EC) No 1272/2008 Not classified according to GHS classification.

2.2. Label elements (EC) No 1272/2008

Label not applicable

Remarks on labelling none

2.3. Other hazards If applicable: see section 6.1 and section 7.1.

SECTION 3: Composition/information on ingredients

Component	CAS No.	Index No.	Percentage(%)	Label
	EC-no.	Registration no.		
GLASS	65997-17-3			
	266-046-0	01-2119488048-29 01-2119990048-30		
MERCURY	7439-97-6	080-001-00-0		GHS06
	231-106-7	01-2119548380-42		GHS08 GHS09 H330 Acute tox. 2 H360D Repr. 1B H372 STOT RE 1 H400 Aquatic acute 1 H410 Aquatic chronic 1
TUNGSTEN	7440-33-7			
	231-143-9	01-2119488910-30		
METALS				
FILLING GAS				GHS04 H280 Press. gas-compressed EUHP99 Asphixiant

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin	Not applicable.
Ingestion	Not applicable.
Inhalation	Not applicable.
Eyes	Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Skin	local	Not applicable.
	general	Not applicable.
Ingestion	local	Not applicable.
	general	Not applicable.
Inhalation	local	Not applicable.
	general	Not applicable.
Eyes	ocal	Not applicable.
Remarks symptoms	None	

4.3. Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable fire-extinguisher determined by surrounding

Unsuitable fire-extinguisher not traceable

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in fire : mercury oxides, metal oxide, tungsten oxides

5.3. Advice for firefighters

In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Precautions Use protective equipment. See section 8.

Emergency procedure Is not to be expected.

6.2. Environmental precautions

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.

6.3. Methods and material for containment and cleaning up

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.

6.4. Reference to other sections See section 8 for appropriate personal protection.
See section 13 for additional information on waste treatment.

SECTION 7: Handling and storage
7.1. Precautions for safe handling

Observe label precautions.

Local exhausting

Under normal circumstances not applicable.

Storage code (on behalf of PGS 15)

CT3

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

See also any precautionary statements in section 2.2.

No special precautions.

7.3. Specific end use(s)

Data not available.

SECTION 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 (Statutory threshold limit value)

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) 0.02 mg/m³

MERCURY

 TWA(8 hours) 5 mg/m³

TUNGSTEN

 TWA(15 minutes) 10 mg/m³

TUNGSTEN

applicable to:
Germany (20 °C; 1013 mbar)

 TWA(8 hours) 0.02 mg/m³
S MERCURY

 TWA(15 minutes) 0.16 mg/m³
S MERCURY

 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 [according to ACGIH]

 TWA(8 hours) 0.1 mg/m³
C MERCURY [according to OSHA]

 TWA(8 hours) 5 mg/m³

TUNGSTEN

 TWA(15 minutes) 10 mg/m³

TUNGSTEN

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

 TWA(8 hours) 0.02 mg/m³

MERCURY (as inhalable dust)

 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

C=Ceiling; **S**=Skin

Remarks exposure limits

none

DNEL (Derived No Effect Level)

Worker - Inhalation - Long term exposure - Systemic effects: 0.02 mg/m ³	MERCURY	Source : Chemicalcards
Worker - Inhalation - Long term exposure - Systemic effects: 5.8 mg/m ³	TUNGSTEN	Source : ECHA
Worker - Dermal - Long term exposure - Systemic effects: 1.7 mg/kg bw/day	TUNGSTEN	Source : ECHA
Consumer - Inhalation - Long term exposure - Systemic effects: 1.7 mg/m ³	TUNGSTEN	Source : ECHA
Consumer - Dermal - Long term exposure - Systemic effects: 0.480 mg/kg bw/day	TUNGSTEN	Source : ECHA
Consumer - Oral - Long term exposure - Systemic effects: 0.480 mg/kg bw/day	TUNGSTEN	Source : ECHA

PNEC (Predicted No Effect Concentration)

Fresh water	0.000057 mg/l	MERCURY	Source : Chemicalcards
Marine water	0.000067 mg/l	MERCURY	Source : Chemicalcards
Fresh water	0.338 mg/l	TUNGSTEN	Source : ECHA
Marine water	0.0338 mg/l	TUNGSTEN	Source : ECHA
Intermittent releases	0.310 mg/l	TUNGSTEN	Source : ECHA
Sewage Treatment Plant (STP)	5.86 mg/l	TUNGSTEN	Source : ECHA
Fresh water sediment	960 mg/kg	TUNGSTEN	Source : ECHA
Marine water sediment	96 mg/kg	TUNGSTEN	Source : ECHA
Soil	2.17 mg/kg	TUNGSTEN	Source : ECHA
Oral (food)	11 mg/kg	TUNGSTEN	Source : ECHA

8.2. Exposure controls

Advised personal protection	
Hands	not applicable
Breakthrough time	not applicable
Eyes	not applicable
Inhalation	not applicable
Skin	none (when used normally)

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state	article
Colour	type dependent
Odour	odourless
Odour threshold (20°C; 1013 mbar)	not traceable
pH	not applicable
Melting point/range	not traceable
Boiling point/range	not traceable
Flash point/range	not applicable
Vapor rate/range	not applicable
Flammability (solid, gas)	data not available
Explosive limits	not applicable
Vapour pressure	not applicable
Density	not traceable

Solubility in water	not applicable		
Log Po/w	4.5	MERCURY	Source: Chemicalcards
Autoignition temperature	not applicable		
Decomposition temperature	not traceable		
Viscosity	not applicable		
Dust explosions possible in air	not applicable		
Oxidising properties	no		

9.2. Other information

Solubility in fat	not applicable
Electrostatic charge	not traceable

SECTION 10: Stability and reactivity

10.1. Reactivity	See section 10.2 - 10.6.
10.2. Chemical stability	The substance or mixture is stable under normal conditions. See also section 10.4.
10.3. Possibility of hazardous reactions	Date of request : 2017-08-23 SDS 26837 - Page 5 / 7
Reactions with water	no
Other hazardous conditions	Data not available.
10.4. Conditions to avoid	Data not available.
10.5. Incompatible materials	Hazardous reactions with : none
10.6. Hazardous decomposition products	Hazardous decomposition products at heating none

SECTION 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

SECTION 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		

SECTION 13: Disposal considerations

All fluorescent lamps contain some amount of mercury. All disposal options should be evaluated with respect to the requirements of the relevant local and national legislation. Before disposing of waste lamps check with state, country, and/or local officials for current guidelines and regulations.

SECTION 14: Transport information

ADR/RID	UN-number	2809 MERCURY IN MANUFACTURING ARTICLES
	Class	8
	Packinggroup	III
	Transport emergency card	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
	Packinggroup	III

SECTION 15: Regulatory information

EC-Label	not applicable
Remarks on EC-labeling	none

SECTION 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 exemption consult applicable regulations.
The product contains ≤ 10 mg mercury.

Inner company references none

Overview relevant R-sentences from all components in section 3

R26	Very toxic on inhalation.
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
R99	Suffocating in high concentrations.