



7227 W. Wilson Ave.
 Harwood Heights, IL. 60706
 Phone: (708) 867-3100
 Fax: (708) 867-1103

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Identifier 56Q80		[WHMIS Classification]	
Product Use Stroboscopic Flash Lamp			
Manufacturer's Name Advanced Strobe Products, Inc.		Supplier's Name	
Street Address 7227 W. Wilson Ave.		Street Address	
City Harwood Heights, IL	Province	City	Province
Postal Code 60706	Emergency Telephone 708 867 3100	Postal Code	Emergency Telephone
Date MSDS Prepared 05-07-15	MSDS Prepared By K. Beres	Phone Number 708 867 3100	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Tungsten Powder		7440-33-7	Intraperitoneal Rat) 5 gm/kg	
Quartz Glass		7631-86-9	Toxicological LD50 is Not available.	
Xenon Gas		7440-63-3	Not classified	
Nickel Wire		7440-02-0	Not classified	

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry <input type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
[Emergency Overview]
[WHMIS Symbols] Xenon gas: Class A= Compressed gas
Potential Health Effects Tungsten Powder: Tetratogenic Effects: Possible reproductive effector. Quartz Glass: None, Xenon: Simple Asphixiant (SA) No Fire Hazard, No combustible hazard. Ni Wire: None

SECTION 4 — FIRST AID MEASURES

Skin Contact Not applicable, no known hazard for all materials.
Eye Contact Not applicable, no known hazard for all materials in the assembled form.
Inhalation Not applicable, no known hazard for all materials in the assembled form.
Ingestion Not applicable, no known hazard for all materials in the assembled form.



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Product Identifier- 2 -

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction N/A		
Flashpoint (° C) and Method N/A	Upper Flammable Limit (% by volume) N/A	Lower Flammable Limit (% by volume) N/A
Autoignition Temperature (°C) N/A	Explosion Data — Sensitivity to Impact N/A	Explosion Data — Sensitivity to Static Discharge N/A
Hazardous Combustion Products None		
[NFPA]		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures N/A

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment Do not handle with bare hands. Devitrification of glass may occur and cause premature aging of lamp.
Storage Requirements Keep in a dry place.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) N/A
Personal Protective Equipment <input checked="" type="checkbox"/> <input type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type Cotton gloves and eye protection (glasses) in case of breakage.



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Product Identifier- 3 -

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State N/A	Odour and Appearance N/A	Odour Threshold (ppm) N/A
Specific Gravity N/A	Vapour Density (air = 1) N/A	Vapour Pressure (mmHg) N/A
Evaporation Rate N/A	Boiling Point (° C) N/A	Freezing Point (° C) N/A
pH N/A	Coefficient of Water/Oil Distribution N/A	[Solubility in Water] N/A

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability N/A <input type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances N/A <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? N/A

Reactivity, and under what conditions?

N/A

Hazardous Decomposition Products

N/A



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SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

None

Effects of chronic exposure

None

Irritancy of Product

Skin sensitization None

Respiratory sensitization

Carcinogenicity-IARC None

Carcinogenicity - ACGIH

Reproductive toxicity
 Tungsten: Possible Reproductive effector in original powder form.

Teratogenicity ; Reproductive effector in original powder form.

Embrototoxicity:

Mutagenicity Tungsten (in original powder form) No data available.: No data available

Name of synergistic products/effects

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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]

No information available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of according to local state and federal regulations.



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SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

None.

PIN

TDG

[DOT]

[IMO]

[ICAO]

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification]

[OSHA]

Manufactured article

[SERA]

[TSCA]

SECTION 16 — OTHER INFORMATION

Information given is of the original materials used in the flashlamp assembly. In the case of tungsten, Powder (original state) information is given which has a larger health hazard than the sintered solid Tungsten pellet.