

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/4

Thoriated Tungstens

Revision 0
Revision date 2011-04-27

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

1.1. Product identifier

Product name	Thoriated Tungstens
Product code	HP161[10/12/16/24/32/40/48]

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU15] Manufacture of fabricated metal products, except machinery and equipment;
-------------	--

1.3. Details of the supplier of the safety data sheet

Company	Weldability Sif
Address	Peters House, The Orbital Centre, Icknield Way, Letchworth Garden City, Hertfordshire, SG6 1ET. UK. www.weldability-sif.com
Telephone	0870 330 7757
Fax	0800 970 7757
Email	service@weldability-sif.com
Email address of the competent person	msds@weldability-sif.com

1.4. Emergency telephone number

Emergency telephone number	0870 330 7757
Company	Weldability Sif 8.30 to 5.30 Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xn; R40
Main hazards	Limited evidence of a carcinogenic effect.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Thoriated Tungstens

Revision 0
Revision date 2011-04-27

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EINECS No.	REACH Registration Number	Conc. (%w/w)	Classification
Tungsten (Tungsten & compounds (as W) soluble compounds)		7440-33-7	231-143-9		90 - 100%	
Thorium Oxide		37300-04-2	253-453-3		1 - 10%	Xn; R40

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Avoid contact with eyes. Seek medical attention. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Extinguishing media. Carbon dioxide (CO ₂). Dry chemical. Alcohol resistant foam. Water jet.
--	--

5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear suitable respiratory equipment when necessary.
--	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid formation of dust. Ensure adequate ventilation of the working area.
--	---

6.3. Methods and material for containment and cleaning up

	Sweep up. No specific clean up requirements. Refer to disposal considerations in Section 13.
--	--

SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Wear suitable gloves. Open container carefully. Do not breathe dust. Avoid formation of dust.
--	---

7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed and dry.
--	--

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Tungsten (Tungsten & compounds (as W) insoluble compounds)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m ³ : 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m ³ : 10
Tungsten (Tungsten & compounds (as W) soluble compounds)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m ³ : 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m ³ : 3

8.2. Exposure controls

Thoriated Tungstens

Revision 0
Revision date 2011-04-27

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Keep away from foodstuffs, beverages and feed. Wash hands after handling the product.

8.2.2. Individual protection measures

Use appropriate personal protective equipment.

Eye / face protection

Wear suitable protective clothing and eye/face protection. Use as appropriate: Eye wash bottle with water.

Skin protection - Handprotection

Wear suitable gloves.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Colour	Grey/White
Odour	Characteristic
Solubility	Insoluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

May cause irritation to skin in susceptible persons.

Serious eye damage/irritation

May cause irritation to eyes.

Repeated or prolonged exposure

Repeated or prolonged exposure may cause dermatitis.

SECTION 12: Ecological information

Further information

Avoid release to the environment. Refer to special instructions/Safety data sheets.

SECTION 13: Disposal considerations

General information

This material and its container must be disposed of in a safe way.

Disposal methods

Dispose of in compliance with all. local and national regulations.

SECTION 14: Transport information

ADR/RID

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA


The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

Thoriated Tungstens

Revision 0
Revision date 2011-04-27

Labelling

Symbols	Xn: Harmful.
	
Risk phrases	R40 - Limited evidence of a carcinogenic effect.
Safety phrases	S36/37 - Wear suitable protective clothing and gloves.

SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R40 - Limited evidence of a carcinogenic effect.
-----------------------------------	--

General information

The information supplied in this safety data sheet is designed only as guidance for safe use, storage and handling of the product. This information relates only to the specific goods listed and may not be valid for such material used in combination with any other product(s). This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy.