Product Name:

**Tungsten Ceriated** 

1. Identification of the Substance/Preparation and the Company/Undertaking

#### 1.1. Product identifier

Substance or preparation trade name: Tungsten Ceriated

**APPLICATIONS:** 

For Stock No.

15811 Ceriated Tungsten Electrodes, 2.4 x 150mm (Pack of 10)

98447 Ceriated Tungsten Electrodes, 1.6 x 150mm (Pack of 10)

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

Identified uses Electrodes for Tungsten inert gas welding (TIG)

#### 1.3. Details of the supplier of the safety data sheet

**Draper Tools Ltd** 

Hursley Road Chandlers Ford Eastleigh Hampshire SO53 1YF

## 1.4. Emergency telephone number

Draper Helpline +44 (0) 2380 494344 Opening hours 8:30-17:00 Monday – Friday.

#### 2: Hazards identification

## 2.1. Classification of the substance or mixture

No Significant Hazard

2.2. Label elements

Signal words:

**Precautionary statements:** 

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#### 2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance

## 3. Composition/information on ingredients

#### 3.1. Hazardous ingredients

Tungsten	Conc. 88-100% %	CAS 7440-33-7	EINECS Symbols/Risk phrases 231-143-9
Cerium oxide	0 - 2%	7440-45-1	234-374-3

#### 4: First aid measures

## 4.1. Description of first aid measures

Skin contact: None

**Eye contact:** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. Contact lenses should be removed. Wash with water.

Ingestion: Rinse mouth and drink plenty of water.

**Inhalation:** Move the exposed person to fresh air. Seek medical attention if there are any adverse symptoms.

**4.2 Most important symptoms and effects, both acute and delayed Eye contact:** There may be irritation and redness.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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#### 5: Fire-fighting measures

## 5.1. Extinguishing media

Water, A,B,C and Class D dry powder

#### 5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion produces Tungsten Trioxide WO<sub>3</sub> (CAS1314-35-8).

#### 5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

#### Accidental release measures

Personal precautions

Ensure adequate ventilation of the working area..

Environmental precautions

Do not allow product to enter drains. Prevent further spillage if

safe.

Clean up methods

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area

thoroughly with plenty of soapy water.

## 7. Handling and storage

Handling Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

Adopt best Manual Handling considerations when handling, carrying and dispensing.

Storage No special requirements

## 8. Exposure Controls

8.1 Exposure limits
Tungsten

7440-33-7. TWA 5 mg/m3 ST 10 mg/m3

Cerium

N/A

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8.2 Controls

Engineering measures

Hand protection

Eye protection

Protective equipment

Reparatory protection

Ensure adequate ventilation of the working area.

Gloves or hand protection cream

safety spectacles

Wear protective clothing.

Particulate filtering mask (P2 type) recommended where dust

or aerosols are produced.









## 9. Physical and chemical properties

Appearance:

Physical form:

Solid.

Appearance:

Metallic grey rods.

Odour:

None.

### Important relevant safety parameters:

Value

Unit

g/cm3

DIN 51 757

Test method (67/548/EEC) Mel

Flame point

Non Flammable

Relative density (20°C)

Solubility (20°C)

pH value (20°C), 5%

Melting point

**Boiling point** Freezing Point

19.3 insoluble

N/A

3680 °C

5828 °C

N/A

## 10. Stability and reactivity

Stability

Stable under normal conditions.

Conditions to avoid

Oxidation in presence of Oxygen at increase temperature (600 °C plus)

Materials to avoid

Peroxides. Strong acids.

## 11. Toxicological information

No Acute oral, dermal or respiratory toxicity

Tungsten

LD<sub>50</sub> oral Rat

>2000 mg/KG

LD<sub>50</sub> dermal Rat

>2000 mg/KG

LD<sub>50</sub> respiratory Rat

>5.4mg/l 4Hr exposure

## 12. Ecological information

Non hazardous in water

13 Disposal Considerations

General information

Dispose of in compliance with all local and

national regulations.

Disposal methods

Contact a licensed waste disposal company. For disposal

within the EC, the appropriate code according to the European

Disposal of packaging

Waste Catalogue (EWC) should be used. Empty containers can be sent for disposal or recycling.

## 14. Transport information

Not classified

Further information The product is not classified as dangerous for carriage.

## 15. Regulatory information

Risk phrases -N/A.

## 16. Other Information