



**CE Elantech, Inc.**

## **SAFETY DATA SHEET**

According to Regulation (EC) No. 1907/2006

Version 1.0 Revision Date 25.04.2014

Print Date 25.04.2014

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

---

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

#### **1.1 Product identifiers**

Product name : Tungstic Anhydride

Product number : 338-246-00

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

CAS-No. : 1314-35-8

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

Company : CE Elantech, Inc.  
170 Oberlin Avenue North  
Suite 5  
Lakewood, NJ 08701 USA

Telephone : 732-370-5559

Fax : 732-370-3888

E-mail : [sales@ceelantech.com](mailto:sales@ceelantech.com)

Internet : [www.ceelantech.com](http://www.ceelantech.com)

#### **1.4 Emergency telephone number**

Emergency Phone # : 911

---

### **SECTION 2: Hazards identification**

#### **2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.

#### **2.2 Label elements**

The product does not need to be labelled in accordance with EC directives or respective national laws.

#### **2.3 Other hazards - none**

---

### **SECTION 3: Composition/information on ingredients**

#### **3.1 Substances**

Synonyms : Tungsten (VI) Oxide Granulate

Formula : WO<sub>3</sub>

Molecular Weight : 231,85 g/mol

CAS-No. : 1314-35-8

EC-No. : 215-231-4

No components need to be disclosed according to the applicable regulations.

---

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

###### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. **In case of skin contact**

Wash off with soap and plenty of water. **In case of eye contact**

Flush eyes with water as a precaution. **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. **4.2 Most**

###### **important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

no data available

---

#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

###### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. **5.2 Special hazards**

###### **arising from the substance or mixture**

Tungsten oxide

##### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. **5.4 Further information**

no data available

---

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

##### 6.2 Environmental precautions

No special environmental precautions required.

##### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

##### 6.4 Reference to other sections

For disposal see section 13.

---

#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

##### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

---

#### SECTION 8: Exposure controls/personal protection

##### 8.1 Control parameters

###### Components with workplace control parameters

##### 8.2 Exposure controls

###### Appropriate engineering controls

General industrial hygiene practice.

## Personal protective equipment

### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

No special environmental precautions required.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: powder Color: light yellow
b) Odor	no data available
c) Odor Threshold	no data available
d) pH	6,1 at 100 g/l
e) Melting point/freezing point	Melting point/freezing point: 1.472 °C
f) Initial boiling point and boiling range	1.837 °C at 1.013 hPa
g) Flash point	not applicable
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapor pressure	no data available
l) Vapor density	no data available
m) Relative density	7,160 g/cm <sup>3</sup>
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available

- r) Viscosity no data available
- s) Explosive properties no data available
- t) Oxidizing properties no data available

## 9.2 Other safety information

Bulk density 0,30 - 2,8 g/l

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong acids

### 10.6 Hazardous decomposition products

In the event of fire: see section 5

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - rat - male and female - > 2.000 mg/kg

LC50 Inhalation - rat - male and female - 4 h - > 5,36 mg/l  
(OECD Test Guideline 403)

#### Skin corrosion/irritation

Skin - rabbit

Result: No skin irritation - 4 h  
(OECD Test Guideline 404)

#### Serious eye damage/eye irritation

Eyes - rabbit

Result: No eye irritation - 72 h  
(OECD Test Guideline 405)

#### Respiratory or skin sensitization

Maximization Test - guinea pig

Result: Does not cause skin sensitization.  
(OECD Test Guideline 406)

#### Germ cell mutagenicity

Ames test

S. typhimurium

Result: negative

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

no data available

#### Specific target organ toxicity - repeated exposure

no data available

**Aspiration hazard**no data available **Additional Information**

RTECS: YO7760000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

---

**SECTION 12: Ecological information****12.1 Toxicity**

Toxicity to fish	static test LC0 - Danio rerio (zebra fish) - $\geq$ 5,25 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC0 - Daphnia magna (Water flea) - $\geq$ 2,6 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	Growth inhibition EC0 - Desmodesmus subspicatus (green algae) - $\geq$ 1 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	Respiration inhibition EC50 - Sludge Treatment - $>$ 10.000 mg/l - 3 h

**12.2 Persistence and degradability**

no data available

**12.3 Bioaccumulative potential**

no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

no data available

---

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

---

**SECTION 14: Transport information****14.1 UN number**

ADR/RID: IMDG: IATA:

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: IMDG: IATA:

**14.4 Packaging group**

ADR/RID: IMDG: IATA:

**14.5 Environmental hazards**

ADR/RID: no IMDG Marine pollutant: no IATA: no

**14.6 Special precautions for user**

no data available

---

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
no data available

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

---

**SECTION 16: Other information****Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sântis Analytical AG shall not be held liable for any damage resulting from handling or from contact with the above product. This document is protected by copyright. All duplication for commercial purposes requires approval by Sântis Analytical AG.

Data provided in collaboration with **Sântis Analytical AG Teufen Switzerland**