

# SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

**Product Identifier:** Tungsten(V) Ethoxide

**Product Code:** W5-ETOX-01-LIQ

**CAS Number:** 26143-11-3

**Relevant identified uses of the substance:** Scientific research and development

Supplier details:

American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351  
Emergency telephone number:  
+1 800-424-9300

## SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

H315 Skin Irrit. 2 R38, R36/38, R36/37/38, R37/38

H319 Eye Irrit. 2 R36, R36/37, R36/38, R36/37/38

H335 STOT SE 3a R37, R36/37, R36/37/38, R37/38

Label elements



Signal Word Warning

Hazard Statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Phrases

P264 Wash hands thoroughly after handling.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

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## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substances

Tungsten(v)ethoxide, 95%

Assay:100%

CAS Number: 26143-11-3

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## **SECTION 4. FIRST AID MEASURES**

Description of first aid measures

Skin Contact

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

Eye Contact

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

Ingestion - Wash out mouth with water.

Inhalation - P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Most important symptoms and effects: No symptoms.

Indication of any immediate medical attention

P312: Call a POISON CENTER or doctor/physician if you feel unwell. No additional measures required

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## **SECTION 5. FIREFIGHTING MEASURES**

Extinguishing Media

Suitable: Carbon dioxide. Dry chemical powder. Water.

Unsuitable: Do not use water with a full water jet

Special Hazards arising from the substance or mixture

In combustion toxic fumes may form.

Advice for Fire Fighters

Wear protective clothing to prevent contact with skin and eyes.

Wear self-contained breathing apparatus.

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions

Refer to section 8 of SDS for personal protection details.

Environmental Precautions

Do not discharge into drains or rivers.

Methods & Materials

Mix with sand or vermiculite.

Transfer to a suitable container.  
Preventing the occurrence of secondary hazards.  
No Special Measures Required

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## **SECTION 7. HANDLING AND STORAGE**

Personnel Precautions

Safe Handling

Handle in fume hood.

Wash hands immediately after contamination.

P264: Wash hands thoroughly after handling.

Protection against explosions and fires

P362: Take off contaminated clothing and wash before reuse. normal measures for preventive fire protection

Conditions for safe storage, including any incompatibilities

Managing Storage Risks

Keep container tightly closed. Store in cool, well ventilated area.

Storage Controls: No special requirements

Maintaining Integrity: Keep in tightly closed container in cool area away from direct sunlight or heat sources.

Other advice:

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control Parameters

No Data Available

Exposure Controls

General protective and hygiene measures

P280: Wear protective gloves/protective clothing/eye protection/face protection. The standard precautionary measures should be adhered to when handling Wash hands during breaks and at the end of handling the material Immediately remove any contaminated clothing.

Engineering measures: P271: Use only outdoors or in a well-ventilated area. Ensure there is sufficient ventilation of the area.

Eye / Face Protection: Safety Glasses.

Hand protection: Protective gloves.

Respiratory protection: P261: Avoid breathing dust/fume/gas/mist/vapors/spray. Respiratory protection not required

Skin protection: Protective clothing.

Other personal protection advice: no data

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical and Chemical Properties

Appearance: Purple-black liquid

Odor: Characteristic

Odor threshold: No Data Available

PH: No Data Available  
Melting point / Freezing point: <20°C  
Initial boiling point and boiling range: 110-115°C @ 1mm  
Flash point: >110°C  
Evaporation rate: No Data Available  
Flammability(solid,gas): No Data Available  
Upper/lower flammability or explosive limits: No Data Available  
Vapor pressure: 20°: <0.1mm  
Vapor density: No Data Available  
Relative density: No Data Available  
Solubility(ies): No Data Available  
Partition coefficient: n-octanol/water: No Data Available  
Auto-ignition temperature: No Data Available  
Decomposition temperature: No Data Available  
Viscosity: No Data Available  
Explosive properties: No Data Available  
Oxidising properties: No Data Available  
Other Information  
No additional information available

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## **SECTION 10. STABILITY AND REACTIVITY**

### Reactivity

Reacts with water.

### Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

Material decomposes slowly in contact with moist air or with water liberating ethanol; TLV(TWA) = 1000ppm

### Conditions to Avoid

no specific conditions to avoid

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

In combustion emits toxic fumes.

In combustion emits toxic fumes of ethanol

In combustion emits toxic fumes of organic acid vapors

In combustion emits toxic fumes of tungsten oxide.

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

### Information

Acute Toxicity: no data

Skin corrosion/irritation: irritant for skin and mucous membranes

Serious eye Damage/irritation: irritant effect

Respiratory or skin sensitisation: No sensitizing effect known

Germ Cell mutagenicity: not known

Carcinogenicity: not known

Reproductive toxicity: not known

STOT-single exposure: not known

STOT-repeated exposure: not known

Aspiration hazard: not known

Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH

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## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity

not known

Persistence and degradability

not known

Bio-Accumulative Potential

not known

Mobility and Soil

not known

Results of PBT & vPvB assessment

not known

Other adverse effects

not known

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Treatment Methods

Disposal Operations:

Consult official regulations for proper disposal. Hand over to authorised disposal company as hazardous waste.

Disposal of Packaging:

Disposal must be made according to official regulations.

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## **SECTION 14. TRANSPORT INFORMATION**

Air (ICAO)

None Hazardous

Road (ADR)

None Hazardous

Sea (IMDG)

None Hazardous

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## **SECTION 15. REGULATORY INFORMATION**

Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

Safety Assessment

No Chemical Safety Assessment

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## 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). 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. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.