

Safety Data Sheet

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifier**

Product Name	Tungsten Hexafluoride
CAS Number	7783-82-6
Product Code	20170
EC Number	232-029-1
Molecular Formula	WF6

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

Relevant identified use(s)	For vapor phase deposition of tungsten; fluorinating agent
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1.3 Details of the supplier of the safety data sheet

Manufacturer	Air Liquide 2700 Post Oak Blvd. Houston, TX 77056 United States www.us.airliquide.com sds@airliquide.com
Telephone (Technical)	713-896-2896
Telephone (Technical)	800-819-1704

1.4 Emergency telephone number

Manufacturer	800-424-9300
Manufacturer	+1 703-527-3887

Section 2: Hazards Identification**EU/EEC**

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP	Liquefied Gas - H280 Skin Corrosion 1A - H314 Serious Eye Damage 1 - H318 Acute Toxicity Inhalation 2 - H330
DSD/DPD	EUH014 Toxic (T) Corrosive (C) R14, R23, R35

2.2 Label Elements**CLP**

DANGER

Hazard statements H280 - Contains gas under pressure; may explode if heated
 H314 - Causes severe skin burns and eye damage
 H318 - Causes serious eye damage
 H330 - Fatal if inhaled
 EUH014 - Reacts violently with water.

Precautionary statements

Prevention P260 - Do not breathe mist/vapours/spray.
 P264 - Wash thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P284 - Wear respiratory protection.

Response P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P320 - Specific treatment is urgent (see supplemental first aid instructions on this label).
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P363 - Wash contaminated clothing before reuse.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage/Disposal P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 P405 - Store locked up.
 P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD

Risk phrases R14 - Reacts violently with water.
 R23 - Toxic by inhalation.
 R35 - Causes severe burns.

Safety phrases S8 - Keep container dry
 S37 - Wear suitable gloves.
 S36 - Wear suitable protective clothing.
 S39 - Wear eye/face protection.
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other Hazards

CLP According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 Liquefied Gas - H280
 Skin Corrosion 1A - H314
 Serious Eye Damage 1 - H318
 Acute Toxicity Inhalation 2 - H330

2.2 Label elements

OSHA HCS 2012

DANGER



Hazard statements

Contains gas under pressure; may explode if heated - H280
 Causes severe skin burns and eye damage - H314
 Causes serious eye damage - H318
 Fatal if inhaled - H330

Precautionary statements

Prevention

Do not breathe mist/vapours/spray. - P260
 Wash thoroughly after handling. - P264
 Use only outdoors or in a well-ventilated area. - P271
 Wear protective gloves, clothing, and eye/face protection, . - P280
 In case of inadequate ventilation wear respiratory protection. - P285

Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340
 Specific treatment is urgent (see supplemental first aid instructions on this label). - P320
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353
 Wash contaminated clothing before reuse. - P363
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
 Immediately call a POISON CENTER or doctor/physician. - P310
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. - P301+P330+P331

Storage/Disposal

Store in a well-ventilated place. Keep container tightly closed. - P403+P233
 Store locked up. - P405
 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS2012

Reacts violently with water. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

Compressed Gas - A
 Very Toxic - D1A
 Corrosive - E

2.2 Label elements

WHMIS



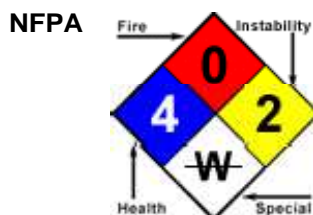
Compressed Gas - A
 Very Toxic - D1A
 Corrosive - E

2.3 Other hazards

WHMIS

Reacts violently with water.
 In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information



Section 3 - Composition/Information on Ingredients

3.1 Substances

Composition				
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive
Tungsten Hexafluoride	CAS:7783-82-6 EINECS:232-029-1	100%	Inhalation-Rat LC50 • 1430 mg/m ³	EU DSD/DPD: Self Classified - C R35; R14; T, R23 EU CLP: Self Classified - Press Gas - Liq., H280; Eye Dam. 1, H318; Skin Corr. 1A, H314; Acute Tox. 2, H330; EUH014 OSHA HCS 2012: Press Gas - Liq; Eye Dam. 1; Skin Corr. 1A; HNOX - Physical Hazard - Reacts Violently with Water; Acute Tox. 2 (inh);

3.2 Mixtures

Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
Skin	If frostbite has occurred, seek medical attention immediately; do NOT rub the affected area(s) or flush them with water. In order to prevent further tissue damage, do NOT attempt to remove frozen clothing from frostbitten areas. If frostbite has not occurred, immediately and thoroughly wash contaminated skin with soap and water.
Eye	If eye tissue is frozen, seek medical attention immediately; if tissue is not frozen, immediately and thoroughly flush the eyes with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation, pain, swelling, lacrimation or photophobia persist, get medical attention as soon as possible.
Ingestion	If frostbite has occurred, seek medical attention immediately; do NOT rub the affected area(s) or flush them with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

4.4 Other information

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. RESCUERS SHOULD NOT ATTEMPT TO RETRIEVE VICTIMS OF EXPOSURE TO GASES WITHOUT ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. At a minimum, Self-Contained Breathing Apparatus must be worn. Victim(s) who experience any adverse effect after over-exposure to this gas mixture must be taken for medical attention. Rescuers should be taken for medical attention if necessary. Take a copy of the label and the MSDS to physician or other health professional with victim(s).

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media Use extinguishing agent suitable for type of surrounding fire.
SMALL FIRES: Dry chemical or CO₂.
LARGE FIRES: Water spray or fog.

Unsuitable Extinguishing Media No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards TOXIC; may be fatal if inhaled, ingested or absorbed through skin. Vapors are extremely irritating and corrosive. Cylinders exposed to fire may vent and release toxic and/or corrosive gas through pressure relief devices. Containers may explode when heated. Ruptured cylinders may rocket. Reacts violently with water.

Hazardous Combustion Products When heated to decomposition, Tungsten Hexafluoride emits toxic fluoride compounds.

5.3 Advice for firefighters

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Always wear thermal protective clothing when handling refrigerated/cryogenic liquids. Wear positive pressure self-contained breathing apparatus (SCBA).

Move containers from fire area if you can do it without risk.

FIRE: If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

FIRE INVOLVING TANKS: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

FIRE INVOLVING TANKS: Cool containers with flooding quantities of water until well after fire is out.

FIRE INVOLVING TANKS: Do not direct water at source of leak or safety devices; icing may occur.

FIRE INVOLVING TANKS: Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

FIRE INVOLVING TANKS: ALWAYS stay away from tanks engulfed in fire.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions Ventilate the area before entry. Do not walk through spilled material. Self contained breathing apparatus and fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures **LARGE SPILL:** Consider initial downwind evacuation for at least 500 meters (1/3 mile) Keep unauthorized personnel away. Keep out of low areas. Stay upwind. Do not direct

water at spill or source of leak.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

Stop leak if you can do it without risk.
Ventilate the area.
If possible, turn leaking containers so that gas escapes rather than liquid.
Allow substance to evaporate.
Isolate area until gas has dispersed.
A vapor suppressing foam may be used to reduce vapors.
Do not direct water at spill or source of leak.

6.4 Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

Use only with adequate ventilation. Ventilate closed spaces before entering. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe gas. Do not get in eyes, on skin, or on clothing. Cylinders should be firmly secured to prevent falling or being knocked-over. Do not attempt to repair, adjust, or in any other way modify cylinders. If there is a malfunction or another type of operational problem, contact nearest distributor immediately. Empty containers retain product residue and can be hazardous. Do not cut, weld, puncture or incinerate container. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Store in a cool, dry, well-ventilated place. Protect cylinders against physical damage. Cylinders should be firmly secured to prevent falling or being knocked-over.

7.3 Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines

Currently there are no applicable exposure limits established for this material.

8.2 Exposure controls

Engineering Measures/Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If possible, handle the material in an efficient fume hood.

Personal Protective Equipment

Respiratory

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

Wear safety glasses.

Skin/Body

Wear leather gloves when handling cylinders.

Environmental Exposure Controls

Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Gas	Appearance/Description	Colorless gas or pale-yellow liquid with no odor.
Color	Colorless or pale yellow.	Odor	Odorless
Odor Threshold	Data lacking		
General Properties			
Boiling Point	17 C(62.6 F)	Melting Point	2.3 C(36.14 F)
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Not explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	1400 mbar @ 20 C(68 F)	Vapor Density	10.29 Air=1
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Notflammable.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

Normally stable. Tungsten Hexafluoride hydrolyzes very readily and violently in the presence of water.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Excess heat.

10.5 Incompatible materials

Tungsten Hexafluoride reacts with water to produce hydrofluoric acid.

10.6 Hazardous decomposition products

When heated, Tungsten Hexafluoride emits hydrogen fluoride. When exposed to water or moisture, Tungsten Hexafluoride decomposes to hydrofluoric acid and tungsten oxyfluorides.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

	CAS	
Tungsten Hexafluoride	7783-82-6	Acute Toxicity: Inhalation-Rat LC50 • 1430 mg/m ³ ; <i>Sense Organs and Special Senses:Eye:Other; Lungs, Thorax, or Respiration:Emphysema; Lungs, Thorax, or Respiration:Respiratory obstruction</i>

GHS Properties	Classification
Acute toxicity	EU/CLP • Acute Toxicity - Inhalation 2 OSHA HCS 2012 • Acute Toxicity - Inhalation 2
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Corrosion 1A OSHA HCS 2012 • Skin Corrosion 1A
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Serious Eye Damage 1 OSHA HCS 2012 • Serious Eye Damage 1

Potential Health Effects

Inhalation

Acute (Immediate) Toxic by inhalation.
Chronic (Delayed) No data available

Skin

Acute (Immediate) Causes severe skin burns and eye damage.
Chronic (Delayed) No data available

Eye

Acute (Immediate) Causes serious eye damage.
Chronic (Delayed) No data available

Ingestion

Acute (Immediate) Ingestion is not anticipated to be a likely route of exposure to this product. If this product is swallowed, it may cause burns to the mouth, throat, esophagus, and other tissues of the digestive system.
Chronic (Delayed) No data available

Key to abbreviations

LC = Lethal Concentration

Section 12 - Ecological Information**12.1 Toxicity**

Material data lacking.

12.2 Persistence and degradability

Material data lacking.

12.3 Bioaccumulative potential

Material data lacking.

12.4 Mobility in Soil

Material data lacking.

12.5 Results of PBT and vPvB assessment

No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

No studies have been found.

Section 13 - Disposal Considerations**13.1 Waste treatment methods****Product waste**

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN2196	Tungsten hexafluoride	2.3,8	NDA	NDA
TDG	UN2196	TUNGSTEN HEXAFLUORIDE	2.3,8	NDA	NDA
IMO/IMDG	UN2196	TUNGSTEN HEXAFLUORIDE	2.3,8	NDA	NDA
IATA/ICAO	NDA	Forbidden	NDA	NDA	NDA

14.6 Special precautions for user

Cylinders should be transported in a secure position, in a well-ventilated vehicle. The transportation of compressed gas cylinders in automobiles or in closed-body vehicles can present serious safety hazards. If transporting these cylinders in vehicles, ensure these cylinders are not exposed to extremely high temperatures (as may occur in an enclosed vehicle on a hot day). Additionally, the vehicle should be well-ventilated during transportation. Tungsten Hexafluoride carries a Special Provision 2 Inhalation Hazard ZoneB

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications Acute, Pressure(Sudden Release of), Reactive

State Right To Know				
Component	CAS	MA	NJ	PA
Tungsten Hexafluoride	7783-82-6	No	Yes	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EUEINECS	EU ELNICS
Tungsten Hexafluoride	7783-82-6	Yes	No	Yes	Yes	No

Inventory (Con't.)		
Component	CAS	TSCA
Tungsten Hexafluoride	7783-82-6	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Tungsten Hexafluoride 7783-82-6 Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Tungsten Hexafluoride 7783-82-6 Not Listed

Environment

Canada - CEPA - Priority Substances List

• Tungsten Hexafluoride 7783-82-6 Not Listed

Canada - DWQ (Drinking Water Quality) - IMACs

• Tungsten Hexafluoride 7783-82-6 Not Listed

Other

Canada - Accelerated Reduction/Elimination of Toxics (ARET)

• Tungsten Hexafluoride 7783-82-6 Not Listed

China

Environment

China - Ozone Depleting Substances - First Schedule

• Tungsten Hexafluoride 7783-82-6 Not Listed

China - Ozone Depleting Substances - Second Schedule

• Tungsten Hexafluoride 7783-82-6 Not Listed

China - Ozone Depleting Substances - Third Schedule

• Tungsten Hexafluoride 7783-82-6 Not Listed

Other**China - Annex I & II - Controlled Chemicals Lists**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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China - Dangerous Goods List

• Tungsten Hexafluoride	7783-82-6	
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China - Export Control List - Part I Chemicals

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Tungsten Hexafluoride	7783-82-6	Not Listed
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EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Tungsten Hexafluoride	7783-82-6	Not Listed
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EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Tungsten Hexafluoride	7783-82-6	Not Listed
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EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Germany**Environment****Germany - TA Luft - Types and Classes**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Germany - Water Classification (VwVWS) - Annex 1

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Germany - Water Classification (VwVWS) - Annex 2 - Water Hazard Classes

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Germany - Water Classification (VwVWS) - Annex 3

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Other**Germany - Specifically Regulated Chemicals in TRGS**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Portugal**Other****Portugal - Prohibited Substances**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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United Kingdom**Environment****United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases to Air**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Other**United Kingdom - Workplace Exposure Limits (WELs) - Substances in Review**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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United Kingdom - List of Dangerous Substances in Water

• Tungsten Hexafluoride	7783-82-6	Not Listed
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United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - OSHA - Specifically Regulated Chemicals

• Tungsten Hexafluoride	7783-82-6	Not Listed
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Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Tungsten Hexafluoride	7783-82-6	Not Listed
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United States -California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - California - Proposition 65 - Developmental Toxicity

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Tungsten Hexafluoride	7783-82-6	Not Listed
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United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Tungsten Hexafluoride	7783-82-6	Not Listed
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U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Tungsten Hexafluoride	7783-82-6	Not Listed
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15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date 19/December/2014

Preparation Date 19/December/2014

Disclaimer/Statement of Liability

To the best of Air Liquide's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this gas mixture is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

Key to abbreviations

NDA = No Data Available