Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Code | 60056

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

Relevant identified use(s) | Semiconductor Uses

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 - CHEMTREC

Manufacturer +1 703-527-3887 - Outside United States

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 Compressed Gas - H280

Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

DSD/DPD R67

2.2 Label Elements

CLP

WARNING





Hazard statements | H280 - Contains gas under pressure; may explode if heated

H336 - May cause drowsiness or dizziness

Precautionary statements

Prevention | P261 - Avoid breathing gas.

P271 - Use only outdoors or in a well-ventilated area.

Response | P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

P312 - Call a POISON ČENTER or doctor/physician if you feel unwell.

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 | R67 - Vapours may cause drowsiness and dizziness.

2.3 Other Hazards

CLP This material is a simple asphyxiant. May displace or reduce oxygen available for

breathing especially in confined spaces.

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

hazardous.

DSD/DPDThis material is a simple asphyxiant. May displace or reduce oxygen available for

breathing especially in confined spaces.

According to European Directive 1999/45/EC this preparation is not considered

dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

Compressed Gas - H280

Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

Simple Asphyxiant

2.2 Label elements

OSHA HCS 2012

WARNING





Hazard statements | Contains gas under pressure; may explode if heated - H280

May cause drowsiness or dizziness - H336

May displace oxygen and cause rapid suffocation.

Precautionary statements

Prevention | Avoid breathing gas. - P261

Use only outdoors or in a well-ventilated area. - P271

Response | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing. - P304+P340

Call a POISON CENTER or doctor/physician if you feel unwell. - P312

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 HCS 2012 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

2.2 Label elements

WHMIS



Compressed Gas - A

2.3 Other hazards WHMIS

This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces. In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information

NFPA



Section 3 - Composition/Information on Ingredients

3.1 Substances

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

3.2 Mixtures

| Composition | | | | |
|--------------------|--|---------|--|--|
| Chemical Name | Identifiers | % | Classifications According to Regulation/Directive | |
| | CAS:7782-44-7 | | EU DSD/DPD: Annex I - O; R8 | |
| Oxygen | EC Number :231-956-9 < 23.5 EU Index :008-001-00-8 | | EU CLP: Annex VI - Ox. Gas 1, H270; Press. Gas - Comp., H280 | |
| | | | OSHA HCS 2012: Ox. Gas 1; Press. Gas - Comp. | |
| | CAS:75-73-0 | | EU DSD/DPD: Self Classified - R67 | |
| Tetrafluoromethane | EINECS:200-896-5 | Balance | EU CLP: Self Classified - Press. Gas - Comp., H280; STOT SE 3: Narc., H336 | |
| | EINEC3:200-896-5 | | OSHA HCS 2012: Press. Gas - Comp.; STOT SE 3: Narc.; Simp. Asphyx. | |

See Section 16 for full text of H-statements and R-phrases.

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

Although exposure is unlikely, in case of contact immediately flush skin with running water. If skin irritation develops get medical advice/attention.

Eve

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If irritation develops and persists, get medical attention.

Ingestion

Ingestion is not considered a potential route of exposure.

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. A potential health hazard associated with this gas is anoxia.

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.

Unsuitable Extinguishing Media

No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion

Hazards

Containers may explode when heated.

Ruptured cylinders may rocket.

Hazardous Combustion

Products

No data available

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

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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

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

6.2 Environmental precautions

No special environmental precautions necessary.

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.

Allow substance to evaporate.

If possible, turn leaking containers so that gas escapes rather than liquid. Use water spray to reduce vapors; do not put water directly on leak, spill area or inside container.

Isolate area until gas has dispersed.

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. Avoid breathing gas. Be aware of any signs of dizziness or fatigue, especially if work is done in a poorly ventilated area; exposures to fatal concentrations of this gas mixture could occur without any significant warning symptoms, due to olfactory fatigue or oxygen deficiency. 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.

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. Do not allow area where cylinders are stored to exceed 52C (125F).

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.

Personal Protective Equipment

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment. 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.

Wear leather gloves when handling cylinders.

Environmental Exposure Controls

Skin/Body

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 with no odor. |
| Color | Colorless | Odor | Odorless |
| Odor Threshold | Data lacking | | |
| General Properties | | | |
| Boiling Point | -127.8 C(-198.04 F) Tetrafluoromethane | Melting Point | -183.6 C(-298.48 F) Tetrafluoromethane |
| Decomposition Temperature | Data lacking | рН | Data lacking |
| Specific Gravity/Relative Density | Data lacking | Water Solubility | Slightly Soluble Tetrafluoromethane |
| Viscosity | Data lacking | Explosive Properties | Not relevant. |
| Oxidizing Properties: | Not an oxidizer. | | |
| Volatility | | | |
| Vapor Pressure | 760 mmHg (torr) @ -127.7 C(- 197.86 F) Tetrafluoromethane | Vapor Density | Data lacking |
| Evaporation Rate | Data lacking | | |
| Flammability | | | · |
| Flash Point | Not relevant | UEL | Not relevant |
| LEL | Not relevant | Autoignition | Not relevant |
| Flammability (solid, gas) | Not flammable. | | |
| 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

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

1 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

Due to the presence of Carbon Tetrafluoride, the following materials are not compatible with this gas mixture: carbon dioxide above 1000°C; alloys of more than 2% magnesium in the presence of water. Silver and copper-bearing alloys can act as catalysts for the decomposition of this product at high temperatures. Oxygen, another component of this gas mixture, is incompatible with combustible and flammable materials, and may form explosive compounds when exposed to combustible material, or oil, grease, and other hydrocarbon materials.

10.6 Hazardous decomposition products

Hydrofluoric acid, possible carbonyl fluoride, toxic CO. If this gas mixture is exposed to fire, it may decompose yielding toxic products (i.e. hydrogen fluoride, carbonyl fluoride).

Section 11 - Toxicological Information

11.1 Information on toxicological effects

| Components | | | | |
|-------------|------|---|--|--|
| -11, 3-11 (| | Reproductive: Inhalation-Rat TCLo • 10 pph 9 Hour(s)(22D preg); Reproductive Effects:Specific Developmental | | |
| 23.5%) | 44-7 | Abnormalities:Respiratory system; Reproductive Effects:Effects on Newborn:Physical | | |

| GHS Properties | Classification |
|-------------------------------|--|
| Acute toxicity | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| Aspiration Hazard | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| Carcinogenicity | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| Germ Cell Mutagenicity | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| Skin corrosion/Irritation | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| Skin sensitization | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| STOT-RE | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| STOT-SE | EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects |
| Toxicity for Reproduction | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| Respiratory sensitization | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |
| Serious eye damage/Irritation | EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met |

Potential Health Effects Inhalation

Acute (Immediate)

This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces. If this material is released in a small, poorly

Preparation Date: 22/December/2014 Revision Date: 22/December/2014 ventilated area (i.e. an enclosed or confined space), an oxygen-deficient environment may occur. Individuals breathing such an atmosphere may experience symptoms which include headaches, ringing in ears, dizziness, drowsiness, unconsciousness, nausea, vomiting, and depression of all the senses. Under some circumstances of over-exposure, death may occur. The following effects associated with decreased levels of oxygen: increase in breathing and pulse rate, emotional upset, abnormal fatigue, nausea, vomiting, collapse, loss of consciousness, convulsive movements, respiratory collapse and death. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed)

No data available

Skin

Acute (Immediate)

Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

No data available

Eye

Acute (Immediate)

Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

No data available

Ingestion

Acute (Immediate)

Ingestion is not anticipated to be a likely route of exposure to this product.

Chronic (Delayed)

No data available

Key to abbreviationsTC = Toxic 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

PBT and vPvB assessment has not been conducted for this material.

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.

Preparation Date: 22/December/2014 Revision Date: 22/December/2014

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 | UN1956 | Compressed gas, n.o.s (Carbon Tetrafluoride, Oxygen) | 2.2 | NDA | NDA |
| TDG | UN1956 | COMPRESSED GAS, N.O.S. (Carbon Tetrafluoride, Oxygen) | 2.2 | NDA | NDA |
| IMO/IMDG | UN1956 | COMPRESSED GAS, N.O.S. (Carbon Tetrafluoride, Oxygen) | 2.2 | NDA | NDA |
| IATA/ICAO | UN1956 | Compressed gas, n.o.s. (Carbon Tetrafluoride, Oxygen) | 2.2 | 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.

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)

| State Right To Know | | | | | | |
|---------------------|--------------|-----|-----|-----|--|--|
| Component | CAS MA NJ PA | | | | | |
| Tetrafluoromethane | 75-73-0 | No | Yes | No | | |
| Oxygen | 7782-44-7 | Yes | Yes | Yes | | |

| Inventory | | | | | | | |
|--------------------|-----------|------------|----------------|-------|------|-----------|-----------|
| Component | CAS | Canada DSL | Canada NDSL | Chin | a | EU EINECS | EU ELNICS |
| Tetrafluoromethane | 75-73-0 | Yes | No | Yes | | Yes | No |
| Oxygen | 7782-44-7 | Yes | No | Yes | | Yes | No |
| | | | Inventory (Coi | า't.) | | | |
| Component | | | CAS | | TSCA | | |
| Tetrafluoromethane | | 75 | i-73-0 | | Yes | | |
| Oxygen | | 77 | 82-44-7 | | Yes | | |

Canada

Labor

Canada - WHMIS - Classifications of Substances

Tetrafluoromethane

Oxygen

75-73-0 A

7782-44-7 A, C

| Tetrafluoromethane | 75-73-0 | Not Listed |
|---|-----------|-------------------------------------|
| • Oxygen | 7782-44-7 | Not Listed |
| Environment | | |
| Canada - CEPA - Priority Substances List | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| nina | | |
| Environment | | |
| China - Ozone Depleting Substances - First Schedule | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| China - Ozone Depleting Substances - Second Schedule | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| China - Ozone Depleting Substances - Third Schedule | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| Other | | |
| China - Annex I & II - Controlled Chemicals Lists | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| China - Dangerous Goods List | | |
| Tetrafluoromethane | 75-73-0 | |
| • Oxygen | 7782-44-7 | (compressed or refrigerated liquid) |
| China - Export Control List - Part I Chemicals | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| ırope | | |
| Other | | |
| EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification | 75 70 0 | Not I loted |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | O; R8 |
| EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits | 75 70 0 | Not Listed |
| Tetrafluoromethane Ourgan | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | O R:8 S:(2)-17 |
| EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations | s | |
| Tetrafluoromethane | 75-73-0 | Not Listed |

| Oxygen | 7782-44-7 | Not Listed |
|--|----------------------|------------------------|
| EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases • Tetrafluoromethane • Oxygen | 75-73-0 7782-44-7 | Not Listed S:(2)-17 |

Germany

| nvironment Germany - TA Luft - Types and Classes | | |
|--|-----------|--|
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| Germany - Water Classification (VwVwS) - Annex 1 | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | ID Number 743, not considered hazardous to water |
| Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classo | es | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| Germany - Water Classification (VwVwS) - Annex 3 | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |

| Germany - Specifically Regulated Chemica | s in TRGS | ò |
|--|-----------|---|

| Tetrafluoromethane | 75-73-0 | Not Listed |
|--------------------|-----------|------------|
| • Oxygen | 7782-44-7 | Not Listed |

Portugal

| Other | | |
|----------------------------------|-----------|------------|
| Portugal - Prohibited Substances | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| Oxygen | 7782-44-7 | Not Listed |
| | | |

United Kingdom

| Environment | | | |
|--|-----------|------------|--|
| United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases to Air | | | |
| Tetrafluoromethane | 75-73-0 | Not Listed | |
| Oxygen | 7782-44-7 | Not Listed | |
| | | | |

| □ Other □ |
|--|
| United Kingdom - Workplace Exposure Limits (WELs) - Substances in Review |
| |

| Tetrafluoromethane | 75-73-0 | Not Listed |
|--------------------|-----------|------------|
| • Oxygen | 7782-44-7 | Not Listed |

United Kingdom - List of Dangerous Substances in Water

| Tetrafluoromethane | 75-73-0 | Not Listed |
|--------------------|-----------|------------|
| Oxygen | 7782-44-7 | Not Listed |

United States

| .S OSHA - Process Safety Management - Highly Hazardous Chemicals Tetrafluoromethane | 75-73-0 | Not Listed |
|---|----------------------|-------------|
| Oxygen | 7782-44-7 | Not Listed |
| | | |
| J.S OSHA - Specifically Regulated Chemicals | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| vironment | | |
| U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs | | |
| • Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S CERCLA/SARA - Section 313 - Emission Reporting | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S CERCLA/SARA - Section 313 - PBT Chemical Listing | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| Oxygen | 75-75-0 7782-44-7 | Not Listed |
| - Oxygen | 1102-44-1 | INOT FISTER |

| invironment | | |
|--|-----------|------------|
| U.S California - Proposition 65 - Carcinogens List | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S California - Proposition 65 - Developmental Toxicity | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| U.S California - Proposition 65 - No Significant Risk Levels (NSRL) | | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| | | |

| Oxygen | 7782-44-7 | Not Listed |
|---|-----------|------------|
| U.S California - Proposition 65 - Reproductive Toxicity - Fen | nale | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| Oxygen | 7782-44-7 | Not Listed |
| U.S California - Proposition 65 - Reproductive Toxicity - Mal | e | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| • Oxygen | 7782-44-7 | Not Listed |
| | | |

United States - Pennsylvania

| _abor | | |
|--|--------------------|------------|
| U.S Pennsylvania - RTK (Right to Know) - Environme | ntal Hazard List | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| Oxygen | 7782-44-7 | Not Listed |
| U.S Pennsylvania - RTK (Right to Know) - Special Haz | zardous Substances | |
| Tetrafluoromethane | 75-73-0 | Not Listed |
| Oxygen | 7782-44-7 | Not Listed |
| | | |

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

H270 - May cause or intensify fire; oxidizer

R8 - Contact with combustible material may cause fire.

Last Revision Date

Preparation Date

Disclaimer/Statement of Liability

22/December/2014

22/December/2014

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Key to abbreviations NDA = No Data Available

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