



Safety Data Sheet

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

| | |
|---------------------|---|
| Product Name | • Hexafluorodisilane |
| Synonyms | • Disilane, 1,1,1,2,2,2-hexafluoro-; disilicon hexafluoride |
| CAS Number | • 13830-68-7 |
| Product Code | • 90104 |

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

| | |
|-----------------------------------|---|
| Relevant identified use(s) | • Semiconductor manufacture, thin film etch |
|-----------------------------------|---|

1.3 Details of the supplier of the safety data sheet

| | |
|---------------------|--|
| Manufacturer | • Air Liquide 9811 Katy Freeway, Suite 100 Houston, TX 77024 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 EU Directive 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 3 - H331 EUH014 |
| DSD/DPD | • Corrosive (C) Very Toxic (T+) R14, R23, R35, R41 |

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
 - H331 - Toxic if inhaled
 - EUH014 - Reacts violently with water.

Precautionary statements

- Prevention**
- P260 - Do not breathe gas.
 - P264 - Wash thoroughly after handling.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P321 - Specific treatment, see supplemental first aid information.
 - 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.
 - P311 - Call a POISON CENTER or doctor/physician.
- 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.
 - R41 - Risk of serious damage to eyes.
- Safety phrases**
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - S28 - After contact with skin, wash immediately with plenty of ...
 - S36 - Wear suitable protective clothing.
 - S37 - Wear suitable gloves.
 - 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

- Contact with gas or liquefied gas will cause burns, severe injury and/or frostbite. According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

- Contact with gas or liquefied gas will cause burns, severe injury and/or frostbite. 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 3 - H331
Hazards Not Otherwise Classified - Health Hazards - Frostbite
Hazards Not Otherwise Classified - Physical Hazard - Reacts violently with water

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
Toxic if inhaled - H331

Precautionary statements

- Prevention**
- Do not breathe gas. - P260
Wash thoroughly after handling. - P264
Use only outdoors or in a well-ventilated area. - P271
Wear protective gloves/protective clothing/eye protection/face protection. - P280
- 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. - P311
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353
Specific treatment, see supplemental first aid information. - P321
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 HCS 2012**

- Contact with gas or liquefied gas will cause burns, severe injury and/or frostbite.
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**

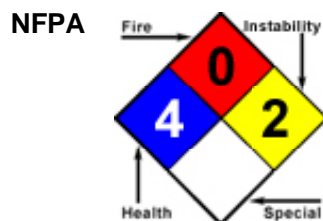
- Compressed Gas - A
Very Toxic - D1A
Corrosive - E

2.3 Other hazards

WHMIS

- Contact with gas or liquefied gas will cause burns, severe injury and/or frostbite. 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 | Comments |
| Hexafluorodisilane | CAS:13830-68-7 | > 99.9% | NDA | EU DSD/DPD: Self Classified: C, R35, R41, T, R23, R14 EU CLP: Self Classified: Press. Gas - Comp., H280; Skin Corr. 1A, H314; Eye Dam., H318; Acute Tox. 3, H331; EUH014; OSHA HCS 2012: Press. Gas - Comp.; Skin Corr. 1A; Eye Dam. 1; Acute Tox. 3 (Inhalation); HNOC-Health Hazard-Frostbite; HNOC-Physical Hazard-React Violently with Water | NDA |

3.2 Mixtures

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

See Section 11 for Toxicological Information.

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 • Dry powder.

Unsuitable Extinguishing Media • Water

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • TOXIC; may be fatal if inhaled.
Reacts violently with water.
Containers may explode when heated.
Ruptured cylinders may rocket.

Hazardous Combustion Products • Hydrogen fluoride, silicon oxides.

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 • Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate the area before entry. Do not walk through spilled

material. Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions. Stop leak if you can do it without risk. 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

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk. Isolate area until gas has dispersed. Ventilate the area. DO NOT GET WATER on spilled substance or inside containers. Do not direct water at spill or source of leak. If possible, turn leaking containers so that gas escapes rather than liquid.

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

- Handle under inert gas. Handle under chemical fume hood only. Use only with adequate ventilation. Ventilate closed spaces before entering. Avoid contact with skin, eyes, and clothing. Do not breathe gas. Wear appropriate personal protective equipment, avoid direct contact. 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

- Perform all work in a chemical fume hood under inert atmosphere.

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. Have available emergency self-contained breathing apparatus or full-face airline respirator when using this chemical.

Eye/Face

- Wear eye/face protection -safety goggles, -faceshield.

Skin/Body

- Wear leather gloves when handling cylinders. Wear chemically resistant gloves and clothing when using this product.

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 | Clear colorless gas with a suffocating odor. |
| Color | Colorless | Odor | Suffocating odor. |
| Odor Threshold | Not relevant | Physical and Chemical Properties | Data lacking |
| General Properties | | | |
| Boiling Point | -19 C(-2.2 F) | Melting Point | -189.2 C(-308.56 F) |
| pH | Not relevant | Specific Gravity/Relative Density | Data lacking |
| Water Solubility | Reacts | Viscosity | Data lacking |
| Explosive Properties | Not explosive. | Oxidizing Properties: | Not an oxidizing gas. |
| Volatility | | | |
| Vapor Pressure | 3350 mmHg (torr) @ 25 C(77 F) | Vapor Density | 1.38 Air=1 |
| 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

- Critical temperature: 411.33 K Critical pressure: 30.16 bar. Critical density: 0.5478 g/cm³.

Section 10: Stability and Reactivity

10.1 Reactivity

- Reacts with water to form hydrogen fluoride fumes.

10.2 Chemical stability

- Unstable above 73° C.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excess heat. Moisture .

10.5 Incompatible materials

- Moisture Strong oxidizing agents. Alkali metals, water, calcium oxide, oxidizing agents, acids, bases, and alcohols.

10.6 Hazardous decomposition products

- Hazardous decomposition products formed under fire conditions- hydrogen fluoride, silicon oxides.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

| GHS Properties | Classification |
|-------------------------------|---|
| Acute toxicity | EU/CLP • Acute Toxicity 3 (Inhalation) OSHA HCS 2012 • Acute Toxicity 3 (Inhalation) |
| 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)

- Maybe fatal if inhaled. Extremely irritating to mucous membranes and respiratory tract. May cause throat irritation, coughing, choking sensation, chills, bronchospasm, laryngospasm, chest pain, permanent lung damage, pulmonary edema, and death.

Chronic (Delayed)

- May cause bronchitis, nasal congestion.

Skin

Acute (Immediate)

- Causes chemical burns; pain may be delayed. Skin burns may result in the absorption of potentially harmful amounts of materials.

Chronic (Delayed)

- No data available

Eye

Acute (Immediate)

- Causes chemical burns to eye tissue.

Chronic (Delayed)

- May injure the cornea of the eye.

Ingestion

Acute (Immediate)

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

Chronic (Delayed)

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

Other

Chronic (Delayed)

- Chronic exposure may cause fluorosis.

Mutagenic Effects

- No data available.

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

- Water hazard class 2 (self assessment); hazardous for water.

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 | UN3308 | Liquefied gas, toxic, corrosive, n.o.s. (Hexafluorodisilane) | 2.3,8 | NDA | NDA |
| TDG | UN3308 | LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S. (Hexafluorodisilane) | 2.3,8 | NDA | Potential Marine Pollutant |
| IMO/IMDG | UN3308 | LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S. (Hexafluorodisilane) | 2.3,8 | NDA | NDA |
| IATA/ICAO | UN3308 | Liquefied gas, toxic, corrosive, n.o.s. (Hexafluorodisilane) | 2.3,8 | 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.

14.8 Other information

- Based on CGA calculations, the inhalation hazard zone classification for this material are, Hazard Zone A, B, C or D.
- IATA/ICAO Forbidden for Transport.

Section 15 - Regulatory Information

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

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

| State Right To Know | | | | |
|---------------------|------------|----|----|----|
| Component | CAS | MA | NJ | PA |
| Hexafluorodisilane | 13830-68-7 | No | No | No |

| Inventory | | | | | | |
|--------------------|------------|------------|-------------|-------|-----------|-----------|
| Component | CAS | Canada DSL | Canada NDSL | China | EU EINECS | EU ELNICS |
| Hexafluorodisilane | 13830-68-7 | No | No | No | No | No |

| Inventory (Con't.) | | |
|--------------------|------------|------|
| Component | CAS | TSCA |
| Hexafluorodisilane | 13830-68-7 | No |

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Hexafluorodisilane 13830-68-7 Not Listed

Canada - WHMIS - Ingredient Disclosure List

- Hexafluorodisilane 13830-68-7 Not Listed

Environment

Canada - CEPA - Priority Substances List

- Hexafluorodisilane 13830-68-7 Not Listed

China

Environment

China - Ozone Depleting Substances - First Schedule

- Hexafluorodisilane 13830-68-7 Not Listed

China - Ozone Depleting Substances - Second Schedule

- Hexafluorodisilane 13830-68-7 Not Listed

China - Ozone Depleting Substances - Third Schedule

- Hexafluorodisilane 13830-68-7 Not Listed

Other

China - Annex I & II - Controlled Chemicals Lists

- Hexafluorodisilane 13830-68-7 Not Listed

China - Dangerous Goods List

- Hexafluorodisilane 13830-68-7 Not Listed

China - Export Control List - Part I Chemicals

- Hexafluorodisilane 13830-68-7 Not Listed

Europe

Other**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

- Hexafluorodisilane 13830-68-7 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- Hexafluorodisilane 13830-68-7 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

- Hexafluorodisilane 13830-68-7 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- Hexafluorodisilane 13830-68-7 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

- Hexafluorodisilane 13830-68-7 Not Listed

Germany

Environment**Germany - TA Luft - Types and Classes**

- Hexafluorodisilane 13830-68-7 Not Listed

Germany - Water Classification (VwVwS) - Annex 1

- Hexafluorodisilane 13830-68-7 Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

- Hexafluorodisilane 13830-68-7 Not Listed

Germany - Water Classification (VwVwS) - Annex 3

- Hexafluorodisilane 13830-68-7 Not Listed

Other**Germany - Specifically Regulated Chemicals in TRGS**

- Hexafluorodisilane 13830-68-7 Not Listed

Portugal

Other**Portugal - Prohibited Substances**

- Hexafluorodisilane 13830-68-7 Not Listed

United Kingdom

Environment**United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases to Air**

- Hexafluorodisilane 13830-68-7 Not Listed

United Kingdom - Substances Contained in Dangerous Substances or Preparations

- Hexafluorodisilane 13830-68-7 Not Listed

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

- Hexafluorodisilane 13830-68-7 Not Listed

United Kingdom - The Red List - Dangerous Substances in Water

- Hexafluorodisilane 13830-68-7 Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

- Hexafluorodisilane 13830-68-7 Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- Hexafluorodisilane 13830-68-7 Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- Hexafluorodisilane 13830-68-7 Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

- Hexafluorodisilane 13830-68-7 Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

- Hexafluorodisilane 13830-68-7 Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

15.3 Other Information

- This material is not included in the TSCA Inventory. In accordance with the conditions listed in 40 CFR 720.36 and 721.47, this product must be used only for research and development, pharmaceutical manufacture, or export. This compound must be used by, or directly under the supervision of, a technically qualified individual. The manufacturer should be consulted prior to using this product for other applications.

Section 16 - Other Information**Last Revision Date**

- 15/January/2020

Preparation Date

- 25/July/2012

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