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

1.1 Product identifier
- Trade name: SULFUR HEXAFLUORIDE
- Chemical name: Sulfur hexafluoride
- Molecular formula: SF6

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

Uses of the Substance / Mixture
- Electronic industry
- Metallurgy.

1.3 Details of the supplier of the safety data sheet

Company
SOLVAY FLUORIDES, LLC
3737 Buffalo Speedway,
Suite 800,
Houston, TX 77098
USA
Tel: 800-515-6065

1.4 Emergency telephone
For emergencies involving a spill, leak, fire, exposure or accident, contact CHEMTREC (24-Hour Number): 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

2.1 Classification of the substance or mixture

HCS 2012 (29 CFR 1910.1200)
- Gases under pressure, Liquefied gas
- Simple Asphyxiant

H280: Contains gas under pressure; may explode if heated.
May displace oxygen and cause rapid suffocation.

2.2 Label elements

HCS 2012 (29 CFR 1910.1200)
- Pictogram

Signal Word
- Warning

Hazard Statements
- H280: Contains gas under pressure; may explode if heated.
Precautionary Statements

Storage
- P410 + P403 Protect from sunlight. Store in a well-ventilated place.

Disposal
-  

2.3 Other hazards which do not result in classification

- Liquefied gas
- Hazardous decomposition products formed under fire conditions.
- Gaseous hydrogen fluoride (HF).
- Causes asphyxiation in high concentrations.
- Hazardous decomposition products formed under fire conditions.

SECTION 3: Composition/information on ingredients

3.1 Substance

Hazardous Ingredients and Impurities

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Identification number CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfur fluoride (SF6), (OC-6-11)-</td>
<td>2551-62-4</td>
<td>&gt;= 99 - &lt; 100</td>
</tr>
</tbody>
</table>

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

3.2 Mixture

Not applicable, this product is a substance.

SECTION 4: First aid measures

4.1 Description of first-aid measures

In case of inhalation
- Remove to fresh air.
- Oxygen or artificial respiration if needed.
- If symptoms persist, call a physician.

Exposure to decomposition products
- Remove to fresh air.
- Immediate medical attention is required.

In case of skin contact
- Allow to evaporate.
- Wash off with warm water.
- If symptoms persist, call a physician.

In case of eye contact
- Allow to evaporate.
- Rinse thoroughly with plenty of water, also under the eyelids.
- If eye irritation persists, consult a specialist.
- Keep eyelids open to allow evaporation of product.

**In case of ingestion**
- Not applicable

4.2 Most important symptoms and effects, both acute and delayed

**In case of inhalation**

**Symptoms**
- At high concentrations:
  - narcosis
  - Asphyxia

**In case of skin contact**

**Symptoms**
- Cold sensation followed by redness of the skin.
- Frostbite

**Effects**
- gas
- none
- Liquefied gas
- Prolonged skin contact may defat the skin and produce dermatitis.

**In case of eye contact**

**Symptoms**
- Irritation
- Lachrymation
- Redness
- Swelling of tissue
- Frostbite

**Effects**
- gas
- Liquefied gas
- Severe eye irritation
- Causes burns.

**In case of ingestion**

**Effects**
- gas
- Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician**
- When symptoms persist or in all cases of doubt seek medical advice.

**SECTION 5: Firefighting measures**

**Flash point**
No data available
Autoignition temperature: No data available

Flammability / Explosive limit: No data available

5.1 Extinguishing media

Suitable extinguishing media

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

- None.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting

- The product is not flammable.
- Hazardous decomposition products formed under fire conditions.
- Gas/vapors combustion possible in presence of air in very particular conditions (see section 9 and/or consult the producer).

Hazardous combustion products:

- Gaseous hydrogen fluoride (HF).
- Fluorophosgene
- The release of other hazardous decomposition products is possible.
- Sulfur oxides
- Sulfur compounds

5.3 Advice for firefighters

Special protective equipment for fire-fighters

- Wear self-contained breathing apparatus and protective suit.
- Wear chemical resistant oversuit

Further information

- Approach from upwind.
- Evacuate personnel to safe areas.
- Keep containers and surroundings cool with water spray.
- After the fire, proceed rapidly with cleaning of surfaces exposed to the fumes in order to limit equipment damage.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel

- Prevent further leakage or spillage if safe to do so.
- Keep away from incompatible products

Advice for emergency responders

- Approach from upwind.
- Suppress (knock down) gases/vapors/mists with a water spray jet.
- Avoid spraying the leak source.
- Try to re-position leaking containers, to have the leak in the gaseous phase.
- Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing.
- Keep away from open flames, hot surfaces and sources of ignition.
6.2 Environmental precautions

- Discharge into the environment must be avoided.
- Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.
- Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

- Allow to evaporate.
- Prevent product from entering sewage system.

6.4 Reference to other sections

- Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Used in closed system
- Use only equipment and materials which are compatible with the product.
- Prevent any product decomposition from contacting hot spots.
- Prevent product vapors decomposition from electric arc action (welding).
- Use only equipment and materials which are compatible with the product.
- Prevent any product decomposition from contacting hot spots.
- Prevent product vapors decomposition from electric arc action (welding).
- Keep away from heat.
- Keep away from incompatible products

Hygiene measures

- Eye wash bottles or eye wash stations in compliance with applicable standards.
- When using do not eat, drink or smoke.
- Gloves, overalls and boots have to be double layered (protection against cold temperature).
- Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

- Keep only in the original container.
- Keep in properly labeled containers.
- Keep in a contained area
- Keep away from sources of ignition - No smoking.
- Keep in a well-ventilated place.
- Refer to protective measures listed in sections 7 and 8.
- Keep away from:
  - Incompatible products

Packaging material

Suitable material

- Steel drum

Requirements for storage rooms and vessels

Recommended storage temperature: < 122 °F (< 50 °C)
7.3 Specific end use(s)
- Contact your supplier for additional information

---

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

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

**Components with workplace occupational exposure limits**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Value type</th>
<th>Value</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfur fluoride (SF6), (OC-6-11)-</td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulfur fluoride (SF6), (OC-6-11)-</td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6,000 mg/m³</td>
<td></td>
</tr>
<tr>
<td>May contain highly toxic sulfur pentafluoride as an impurity.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,000 ppm</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6,000 mg/m³</td>
<td>- Table Z-1 Limits for Air Contaminants</td>
</tr>
<tr>
<td>The value in mg/m³ is approximate.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls

**Control measures**

**Engineering measures**
- Ensure adequate ventilation.
- Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures**

**Respiratory protection**
- Use NIOSH approved respiratory protection.
- Wear self-contained breathing apparatus in confined spaces, in cases where the oxygen level is depleted, or in case of significant emissions.
- Use only respiratory protection that conforms to international/national standards.
- Self-contained breathing apparatus in confined spaces/insufficient oxygen/in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection.

**Hand protection**
- Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
- Protective gloves

**Suitable material**

- PVC
- Neoprene
- Natural Rubber

**Eye protection**
- Chemical resistant goggles must be worn.

**Skin and body protection**
- Wear suitable protective clothing.

**Hygiene measures**
- Eye wash bottles or eye wash stations in compliance with applicable standards.
- When using do not eat, drink or smoke.
- Gloves, overalls and boots have to be double layered (protection against cold temperature).
- Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9: Physical and chemical properties**

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td></td>
</tr>
<tr>
<td>Form</td>
<td>Liquefied gas</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>gaseous</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>colorless</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>odorless</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Molecular weight</strong></td>
<td>146 g/mol</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>neutral</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>Freezing: -59.4 °F (-50.8 °C)</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>Boiling point/boiling range: -82.8 °F (-63.8 °C)</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Evaporation rate (Butylacetate = 1)</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>The product is not flammable.</td>
</tr>
<tr>
<td><strong>Flammability / Explosive limit</strong></td>
<td>Explosiveness: Not expected</td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>17,776.46 mmHg (23,700 hPa) (77 °F (25 °C))</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>5.1</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>5</td>
</tr>
</tbody>
</table>

Sulfur hexafluoride
Relative density

Solubility
Water solubility:
0.031 g/l (77 °F (25 °C))
slightly soluble

Solubility in other solvents:
Alcohol: soluble
Ether: soluble

Partition coefficient: n-octanol/water
log Pow: 1.68

Decomposition temperature
<= 392 °F (= 200 °C)
Exposure to moisture.

Decomposition temperature
<= 1472 °F (= 800 °C)
dry air, Specific conditions

Viscosity
No data available

Explosive properties
No data available

Oxidizing properties
Not considered as oxidizing.

9.2 Other information

Henry's Constant
c.a. 458000 Pa.m³/mol (77 °F (25 °C))
Method: Calculation method
considerable volatility, Air

Surface tension
8.02 mN/m (68 °F (20 °C))

SECTION 10: Stability and reactivity

10.1 Reactivity
- Decomposition can be accelerated under influence of moisture.
- Decomposition temperature will be decreased.

10.2 Chemical stability
- Stable under recommended storage conditions.
- Strong oxidizers, alkali metals and alkaline earth metals may cause fires or explosions.
- Vapors are heavier than air and may spread along floors.
- Stable under recommended storage conditions.
- Vapors are heavier than air and may spread along floors.

10.3 Possibility of hazardous reactions
polymerization
- Hazardous polymerization does not occur.

10.4 Conditions to avoid
- Heat.
- In case of heating:
  - Exposure to moisture.
  - Keep away from direct sunlight.

10.5 Incompatible materials
- Oxidizing agents

10.6 Hazardous decomposition products

   Hazardous decomposition products
   - Gaseous hydrogen fluoride (HF).
   - Sulfur oxides
   - Sulfur compounds
   - Thionyl fluoride
   - Disulfur decafluoride

---

SECTION 11: Toxicological information

11.1 Information on toxicological effects

   Acute toxicity
   Acute oral toxicity
     Not applicable

   Acute inhalation toxicity
     The product has a low acute toxicity

   Asphyxiation Hazard
     This product is a simple asphyxiant.

   Acute dermal toxicity
     Not applicable

   Acute toxicity (other routes of administration)
     No data available

   Skin corrosion/irritation
     No skin irritation

   Serious eye damage/eye irritation
     No eye irritation

   Respiratory or skin sensitization
     no observed effect
Mutagenicity
Genotoxicity in vitro
In vitro tests did not show mutagenic effects

Genotoxicity in vivo
In vivo tests did not show mutagenic effects

Carcinogenicity
No data available

This product does not contain any ingredient designated as probable or suspected human carcinogens by:
NTP
IARC
OSHA

Toxicity for reproduction and development

Toxicity to reproduction / fertility
Reproduction / developmental toxicity screening test - Rat, male and female
Inhalation
Fertility NOAEC Parent: 50,000 ppm
Method: OECD Test Guideline 422

Developmental Toxicity/Teratogenicity
Inhalation
Teratogenicity NOAEC: 50,000 ppm
Method: OECD Test Guideline 422
Reproduction / developmental toxicity screening test

STOT
STOT-single exposure
No data available

STOT-repeated exposure
The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.

Inhalation 28-day - Rat, male and female
NOAEC: 50000 ppm(m)
no observed effect

Inhalation 90-day - Rat, male and female
NOAEC: 20000 ppm(m)
Method: OECD Test Guideline 413
no observed effect

Experience with human exposure
No data available
SECTION 12: Ecological information

12.1 Toxicity

**Aquatic Compartment**

**Acute toxicity to fish**

LC50 - 96 Days : 236 mg/l - Fish  
Method: Calculation method

**Acute toxicity to daphnia and other aquatic invertebrates.**

LC50 - 48 h : 247 mg/l - Crustaceans  
Method: Calculation method  
Water

**Toxicity to aquatic plants**

EC50 - 96 h : 151 mg/l - Algae  
Method: Calculation method  
Water

**Toxicity to microorganisms**

No data available

**Chronic toxicity to fish**

No data available

**Chronic toxicity to daphnia and other aquatic invertebrates.**

No data available

**Chronic Toxicity to aquatic plants**

No data available

12.2 Persistence and degradability

**Abiotic degradation**

**Stability in water**

t 1/2 (Hydrolysis):  
Hydrolysis time: > 1,000 y  
non-significant hydrolysis, Medium, Water, Soil

**Photodegradation**

Half-life indirect photolysis: > 1,000 y  
Air  
non-significant photolysis

**Physical- and photo-chemical elimination**

No data available
Biodegradation

Biodegradability

The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

No data available

Bioconcentration factor (BCF)

Not potentially bioaccumulable

12.4 Mobility in soil

Adsorption potential (Koc)

Soil/sediments
non-significant adsorption

Water
Method: Calculation method
The product evaporates readily.

Known distribution to environmental compartments

No data available

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Ozone-Depletion Potential

Regulatory basis: Global warming potential
Ozone-Depletion Potential: 23.900
Halocarbon global warming potential; HGWP; (R-11 = 1)

Global warming potential

Regulatory basis: The Fourth Assessment Report of the United Nations Intergovernmental Panel on Climate Change (IPCC)
20-year global warming potential: 17,500
100-year global warming potential: 23,500
Radiative efficiency: 0.57 Wm2ppb
Additional Information: Fully Fluorinated Species

Remarks

This product has no known ecotoxicological effects., Product is persistent in air., Other dangerous properties can not be excluded.
**SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

**Product Disposal**
- In accordance with local and national regulations.
- Refer to manufacturer/supplier for information on recovery/recycling.

**Waste Code**
- Environmental Protection Agency
- Hazardous Waste – NO

**Advice on cleaning and disposal of packaging**
- To avoid treatments, as far as possible, use dedicated containers.

**SECTION 14: Transport information**

Transportation status: IMPORTANT! Statements below provide additional data on listed transport classification.
The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

**DOT**

14.1 UN number  
UN 1080

14.2 Proper shipping name  
SULFUR HEXAFLUORIDE

14.3 Transport hazard class  
2.2

14.4 Packing group  
Packing group
ERG No 126

14.5 Environmental hazards  
Marine pollutant NO

**TDG**

14.1 UN number  
UN 1080

14.2 Proper shipping name  
SULFUR HEXAFLUORIDE

14.3 Transport hazard class  
2.2

14.4 Packing group  
Packing group
ERG No 126

14.5 Environmental hazards  
Marine pollutant NO
### NOM

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
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<tbody>
<tr>
<td>14.1 UN number</td>
<td>UN 1080</td>
</tr>
<tr>
<td>14.2 Proper shipping name</td>
<td>SULPHUR HEXAFLUORIDE</td>
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<tr>
<td>14.3 Transport hazard class</td>
<td>2.2</td>
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<td>Label(s)</td>
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<tr>
<td>14.4 Packing group</td>
<td>Packing group ERG No 126</td>
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<tr>
<td>14.5 Environmental hazards</td>
<td>Marine pollutant NO</td>
</tr>
</tbody>
</table>

### IMDG

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
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</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>UN 1080</td>
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<tr>
<td>14.2 Proper shipping name</td>
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</tr>
<tr>
<td>14.3 Transport hazard class</td>
<td>2.2</td>
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<tr>
<td>Label(s)</td>
<td>2.2</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Packing group</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Marine pollutant NO</td>
</tr>
<tr>
<td>14.6 Special precautions for user</td>
<td>EmS F-C, S-V</td>
</tr>
<tr>
<td></td>
<td>For personal protection see section 8.</td>
</tr>
</tbody>
</table>

### IATA

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>UN 1080</td>
</tr>
<tr>
<td>14.2 Proper shipping name</td>
<td>SULPHUR HEXAFLUORIDE</td>
</tr>
<tr>
<td>14.3 Transport hazard class</td>
<td>2.2</td>
</tr>
<tr>
<td>Label(s)</td>
<td>2.2</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Packing instruction (cargo aircraft) 200</td>
</tr>
<tr>
<td></td>
<td>Max net qty / pkg 150.00 kg</td>
</tr>
<tr>
<td></td>
<td>Packing instruction (passenger aircraft) 200</td>
</tr>
<tr>
<td></td>
<td>Max net qty / pkg 75.00 kg</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Marine pollutant NO</td>
</tr>
<tr>
<td>14.6 Special precautions for user</td>
<td>For personal protection see section 8.</td>
</tr>
</tbody>
</table>
Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information

15.1 Notification status

<table>
<thead>
<tr>
<th>Inventory Information</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States TSCA Inventory</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>Mexico INSQ (INSQ)</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>Canadian Domestic Substances List (DSL)</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>New Zealand. Inventory of Chemical Substances</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>Australia Inventory of Chemical Substances (AICS)</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>Japan. CSCL - Inventory of Existing and New Chemical Substances</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>Korea. Korean Existing Chemicals Inventory (KECI)</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>China. Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>- Listed on Inventory</td>
</tr>
<tr>
<td>EU. European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH)</td>
<td>- When purchased from a European Solvay legal entity, this product is compliant with the registration provisions of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt, pre-registered and/or registered. When purchased from a legal entity outside of Europe, please contact your local representative for additional information.</td>
</tr>
</tbody>
</table>

15.2 Federal Regulations

**US. EPA EPCRA SARA Title III**

**SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gases under pressure</td>
<td></td>
</tr>
<tr>
<td>Simple Asphyxiant</td>
<td></td>
</tr>
</tbody>
</table>

The categories not mentioned are not relevant for the product.

**Section 313 Toxic Chemicals (40 CFR 372.65)**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Section 302 Emergency Planning Extremely Hazardous Substance Threshold Planning Quantity (40 CFR 355)**

This material does not contain any components with a section 302 EHS TPQ.

**Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)**
This material does not contain any components with a SARA 302 RQ.

**Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)**

This material does not contain any components with a section 304 EHS RQ.

**US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)**

This material does not contain any components with a CERCLA RQ.

**15.3 State Regulations**

**US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### SECTION 16: Other information

**NFPA (National Fire Protection Association) - Classification**

<table>
<thead>
<tr>
<th>Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>0 minimal</td>
</tr>
<tr>
<td>Flammability</td>
<td>0 minimal</td>
</tr>
<tr>
<td>Instability or Reactivity</td>
<td>0 minimal</td>
</tr>
<tr>
<td>Special Notices</td>
<td>None</td>
</tr>
</tbody>
</table>

**HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification**

<table>
<thead>
<tr>
<th>Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>0 minimal</td>
</tr>
<tr>
<td>Flammability</td>
<td>0 minimal</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0 minimal</td>
</tr>
<tr>
<td>PPE</td>
<td>Determined by User; dependent on local conditions</td>
</tr>
</tbody>
</table>

**Further information**

- Product evaluated under the US GHS format.
- This sheet was updated (refer to the date at the top of this page). Subheadings and text which have been modified since the previous version are indicated with two vertical bars.

**Date Prepared:** 01/18/2018

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- **TWA** 8-hour, time-weighted average
- **ACGIH** American Conference of Governmental Industrial Hygienists
- **OSHA** Occupational Safety and Health Administration
- **NTP** National Toxicology Program
- **IARC** International Agency for Research on Cancer
- **NIOSH** National Institute for Occupational Safety and Health

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.