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

1.1 Product identifier
   - Trade name: SOLKANE® 227, SOLKAFLAM ® 227
   - Chemical name: 1,1,1,2,3,3,3-heptafluoropropane
   - Synonyms: HFC-227
   - Molecular formula: C3HF7

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Uses of the Substance / Mixture:
   - Refrigerant
   - Foaming agent
   - Fire extinguishing agent

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 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
   H280: Contains gas under pressure; may explode if heated.

2.2 Label elements
   HCS 2012 (29 CFR 1910.1200)
   Pictogram
   - Warning
   Hazard Statements
   - H280: Contains gas under pressure; may explode if heated.
   Precautionary Statements
2.3 Other hazards which do not result in classification

- Liquefied gas
- Hazardous decomposition products formed under fire conditions.
- Gaseous hydrogen fluoride (HF).

SECTION 3: Composition/information on ingredients

3.1 Substance

Hazardous Ingredients and Impurities

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Identification number</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,3,3,3-Heptafluoropropane</td>
<td>431-89-0</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.

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.

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:
4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician
- Immediate medical attention is not required.
- When symptoms persist or in all cases of doubt seek medical advice.

SECTION 5: Firefighting measures

Flash point  
Not applicable

Autoignition temperature  
Not applicable

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

- narcosis
- Asphyxia
- May cause cardiac arrhythmia.

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
- 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.

### 5.3 Advice for firefighters

**Special protective equipment for fire-fighters**
- Wear self-contained breathing apparatus and protective suit.
- Wear chemical resistant oversuit
- Special protective actions for fire-fighters
- In case of fire, use water spray.
- Keep product and empty container away from heat and sources of ignition.
- Prevent fire extinguishing water from contaminating surface water or the ground water system.

### 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**
- Immediately evacuate personnel to safe areas.
- Keep people away from and upwind of spill/leak.
- Wear self-contained breathing apparatus and protective suit.
- Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing.
- Suppress (knock down) gases/vapors/mists with a water spray jet.
- Avoid spraying the leak source.
- Ventilate the area.

#### 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.

#### 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
- 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.
- Store in a receptacle equipped with a vent.
- Keep containers tightly closed in a cool, well-ventilated place.
- Keep in properly labeled containers.
- Keep in a contained area
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep away from:
  - Incompatible products
- Refer to protective measures listed in sections 7 and 8.

**Packaging material**

**Suitable material**
- Steel drum

### 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>1,1,1,2,3,3,3-Heptafluoropropane</td>
<td>TWA</td>
<td>1,000 ppm 7,000 mg/m3</td>
<td>Solvay Acceptable Exposure Limit</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.

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
- Fluoroelastomer

Eye protection
- Tightly fitting safety goggles
- If splashes are likely to occur, wear:
  - Face-shield

Skin and body protection
- Wear suitable protective clothing.
- If splashes are likely to occur, wear:
  - Apron
  - Boots

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>Appearance</th>
<th>Form: compressed liquefied gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>gaseous</td>
</tr>
<tr>
<td>Color:</td>
<td>colorless</td>
</tr>
</tbody>
</table>

Odor
- odorless

Odor Threshold
- no data available
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular weight</td>
<td>170 g/mol</td>
</tr>
<tr>
<td>pH</td>
<td>neutral</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Freezing point: -201.1 °F (-129.5 °C)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Boiling point/boiling range: 2.3 °F (-16.5 °C)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate (Butylacetate = 1)</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>The product is not flammable.</td>
</tr>
<tr>
<td>Flammability (liquids)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability / Explosive limit</td>
<td>Explosiveness: Not explosive</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>405.03 mmHg (540 hPa) ( -22 °F (-30 °C))</td>
</tr>
<tr>
<td></td>
<td>2,925.24 mmHg (3,900 hPa) ( 68 °F (20 °C))</td>
</tr>
<tr>
<td></td>
<td>6,900.57 mmHg (9,200 hPa) ( 122 °F (50 °C))</td>
</tr>
<tr>
<td></td>
<td>22,021.81 mmHg (29,360 hPa) ( 253 °F (123 °C))</td>
</tr>
<tr>
<td>Vapor density</td>
<td>4.2</td>
</tr>
<tr>
<td>Density</td>
<td>Bulk density: Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.41 ( 77 °F (25 °C))</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water solubility: 0.23 g/l ( 77 °F (25 °C))</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>log Pow: 2.29</td>
</tr>
<tr>
<td></td>
<td>Method: Calculation method</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Viscosity, dynamic: Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not considered as oxidizing.</td>
</tr>
<tr>
<td>9.2 Other information</td>
<td></td>
</tr>
<tr>
<td>Henry's Constant</td>
<td>ca. 2.860 Pa.m3 / mol ( 68 °F (20 °C))</td>
</tr>
<tr>
<td></td>
<td>Method: Calculation method</td>
</tr>
<tr>
<td></td>
<td>Disperses rapidly in air., Air</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1 Reactivity
- Risk of violent reaction.

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.

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

10.4 Conditions to avoid
- Heat.

10.5 Incompatible materials
- Light and/or alkaline metals
- Powdered metals
- Alkaline earth metals
- Oxidizing agents

10.6 Hazardous decomposition products
- Gaseous hydrogen fluoride (HF).
- Fluorophosgene
- The release of other hazardous decomposition products is possible.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

**Acute toxicity**

**Acute oral toxicity**
Not applicable

**Acute inhalation toxicity**
LC50 - 4 h (gas) : > 788,696 ppm - Rat, male and female
Not classified as hazardous for acute inhalation toxicity according to GHS.

**Acute dermal toxicity**
Not classified as hazardous for acute dermal toxicity according to GHS.
Not applicable

**Acute toxicity (other routes of administration)**
no data available

**Skin corrosion/irritation**
Not applicable
Serious eye damage/eye irritation
Not applicable

Respiratory or skin sensitization
Not applicable

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
- ACGIH

Toxicity for reproduction and development
Toxicity to reproduction / fertility
By analogy, Animal testing did not show any effects on fertility.

Developmental Toxicity/Teratogenicity
Inhalation
General Toxicity Maternal NOAEC: 731,690 mg/m³
OECD Test Guideline 414
Did not show teratogenic effects in animal experiments.

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

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

Inhalation Single exposure - Dog
NOAEL: >= 10 %
cardiac sensitization following adrenergic stimulation

Inhalation 90 Days - Rat, male and female
NOAEC: 731690 mg/m³

**Aspiration toxicity**
no data available

**Further information**
No appreciable toxic effect

---

**SECTION 12: Ecological information**

12.1 Toxicity

**Aquatic Compartment**

**Acute toxicity to fish**

LC₅₀ - 96 h : > 200 mg/l - Danio rerio (zebra fish)
semi-static test
Test substance: 1,1,1,3,3-pentafluorobutane
By analogy

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

EC₅₀ - 48 h : > 200 mg/l - Daphnia magna (Water flea)
static test
Test substance: 1,1,1,3,3-pentafluorobutane
By analogy
Not harmful to aquatic invertebrates. (EC/EL₅₀ > 100 mg/L)

NOEC - 48 h : 200 mg/l - Daphnia magna (Water flea)
Test substance: 1,1,1,3,3-pentafluorobutane

**Toxicity to aquatic plants**

EC₅₀ - 72 h : > 114 mg/l - Algae : Pseudokirchneriella subcapitata (Selenastrum capricornutum)
Test substance: 1,1,1,3,3-pentafluorobutane
Method: OECD Test Guideline 201
By analogy
Not harmful to algae (EC/EL₅₀ > 100 mg/L)

NOEC - 72 h : 13.2 mg/l - Algae : Pseudokirchneriella subcapitata (Selenastrum capricornutum)
Test substance: 1,1,1,3,3-pentafluorobutane
Method: OECD Test Guideline 201
By analogy
Not harmful to algae (EC/EL₅₀ > 100 mg/L)

**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

Terrestrial Compartment

Toxicity to terrestrial plants
NOEC: >= 6,000 g/l
Endpoint: Growth rate
Test substance: 1,1,1,3,3-pentafluorobutane
By analogy

12.2 Persistence and degradability

Abiotic degradation

Stability in water
non-significant hydrolysis, Medium, Water

Photodegradation
indirect photo-oxidation
Sensitizer: OH
Half-life indirect photolysis: 28.2 y
Air
Degradation products:
Carbon dioxide (CO2)
hydrofluoric acid
trifluoroacetic acid

Physical- and photo-chemical elimination
no data available

Biodegradation

Biodegradability
aerobic
Method: Closed Bottle test
1 % - 28 Days
The substance does not fulfill the criteria for ready biodegradability and ultimate aerobic biodegradability

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water
no data available

Bioconcentration factor (BCF)
weak bioaccumulation potential
Not potentially bioaccumulable
12.4 Mobility in soil

Adsorption potential (Koc)

<table>
<thead>
<tr>
<th>Adsorption</th>
<th>Soil/sediments</th>
</tr>
</thead>
<tbody>
<tr>
<td>non-significant adsorption</td>
<td></td>
</tr>
</tbody>
</table>

Known distribution to environmental compartments

no data available

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Global warming potential (GWP)

Regulatory basis: Global Warming Potentials - 40CFR Part 98 - Table A-1 to SubPart A.

100-year global warming potential: 3,220

Additional Information: Saturated Hydrofluorocarbons (HFCs) With Two or Fewer Carbon-Hydrogen Bonds, The GWP for this compound was updated in the final rule published on November 29, 2013 [78 FR 71904] and effective on January 1, 2014.

Regulatory basis: The Fourth Assessment Report of the United Nations Intergovernmental Panel on Climate Change (IPCC)

20-year global warming potential: 5,360

100-year global warming potential: 3,350

Radiative efficiency: 0.26 Wm²ppb

Additional Information: Hydrofluorocarbons

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.
- Where possible recycling is preferred to disposal or incineration.
**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**

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>UN 3296</td>
</tr>
<tr>
<td>14.2 Proper shipping name</td>
<td>HEPTAFLUOROPROPAINE</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 group ERG No 126</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Marine pollutant NO</td>
</tr>
</tbody>
</table>

**TDG**

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>UN 3296</td>
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<tr>
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<td>2.2</td>
</tr>
<tr>
<td>Label(s)</td>
<td>2.2</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Packing group ERG No 126</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Marine pollutant NO</td>
</tr>
</tbody>
</table>

**NOM**

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
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</tr>
<tr>
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<td>2.2</td>
</tr>
<tr>
<td>Label(s)</td>
<td>2.2</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Packing group ERG No 126</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Marine pollutant NO</td>
</tr>
</tbody>
</table>
IMDG

14.1 UN number  UN 3296
14.2 Proper shipping name  HEPTAFLUOROPROPANE
14.3 Transport hazard class  2.2
   Label(s)  2.2
14.4 Packing group
   Packing group

14.5 Environmental hazards  NO
   Marine pollutant

14.6 Special precautions for user
   EmS  F-C, S-V
   For personal protection see section 8.

IATA

14.1 UN number  UN 3296
14.2 Proper shipping name  HEPTAFLUOROPROPANE
14.3 Transport hazard class  2.2
   Label(s):  2.2
14.4 Packing group
   Packing instruction (cargo aircraft)  200
   Max net qty / pkg  150.00 kg
   Packing instruction (passenger aircraft)  200
   Max net qty / pkg  75.00 kg
14.5 Environmental hazards  NO
14.6 Special precautions for user
   For personal protection see section 8.

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>In compliance with the 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>In compliance with the 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>One or more components not listed on inventory</td>
</tr>
<tr>
<td>EU. European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH)</td>
<td>If product is purchased from Solvay in Europe it is in compliance with REACH, if not please contact the supplier.</td>
</tr>
</tbody>
</table>

15.2 Federal Regulations

**US. EPA EPCRA SARA Title III**

**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)**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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**

- Health: 0 minimal
- Flammability: 0 minimal
- Instability or Reactivity: 0 minimal
- Special Notices: None
HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification

Health 0 minimal
Flammability 0 minimal
Reactivity 0 minimal
PPE Determined by User; dependent on local conditions

Further information

- Product evaluated under the US GHS format.

Date Prepared: 07/13/2017

- 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.