

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Trade name TECNOFLON® PFR 95HT

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Uses of the Substance / Mixture**

- Electrical industry
- Electronic industry
- Semiconductors
- Chemical industry
- Automotive industry
- For industrial use only

**1.3 Details of the supplier of the safety data sheet****Company**

SOLVAY SPECIALTY POLYMERS USA, LLC  
4500 McGINNIS FERRY ROAD  
30005-3914, ALPHARETTA GA  
USA  
Tel: +1-770-7728200  
Fax: +1-770-7728213  
Product Information:  
+1-800-2210553

**1.4 Emergency telephone**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CONTACT CHEMTREC (24-Hour Number): +1-800-424-9300 within the United States and Canada, or +1-703-527-3887 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)**

- Not a hazardous product according to the OSHA Globally Harmonized System (GHS).

**2.2 Label elements****HCS 2012 (29 CFR 1910.1200)**

- Not a hazardous product according to the OSHA Globally Harmonized System (GHS).

**2.3 Other hazards which do not result in classification**

- Based on a comparison to analog data, the US EPA considers the cross-linking agent to be harmful if inhaled or ingested.

**SECTION 3: Composition/information on ingredients****3.1 Substance**

- Not applicable, this product is a mixture.

**3.2 Mixture****Hazardous Ingredients and Impurities**

| Chemical name       | Identification number<br>CAS-No. | Concentration [%] |
|---------------------|----------------------------------|-------------------|
| Cross-linking agent | *****                            | < 5               |

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

**Non Hazardous Ingredients and Impurities**

| Chemical name                                                                         | Identification number<br>CAS-No. | Concentration [%] |
|---------------------------------------------------------------------------------------|----------------------------------|-------------------|
| Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,2,2-trifluoro-2-(trifluoromethoxy)ethene | 26425-79-6                       |                   |

**SECTION 4: First aid measures****4.1 Description of first-aid measures****In case of inhalation*****Exposure to decomposition products***

- Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.
- Oxygen or artificial respiration if needed.
- Symptoms of poisoning may develop many hours after exposure.
- Keep under medical supervision for at least 48 hours.

**In case of skin contact**

- Cool skin rapidly with cold water after contact with hot polymer.

***Exposure to decomposition products***

- Wash off with soap and water.
- Immediately apply calcium gluconate gel 2.5% and massage into the affected area using rubber gloves; continue to massage while repeatedly applying gel until 15 minutes after pain is relieved.
- Consult a physician.

**In case of eye contact*****Exposure to decomposition products***

- Rinse immediately with plenty of water, also under the eyelids.
- Remove contact lenses.

**In case of ingestion**

- Not applicable

**4.2 Most important symptoms and effects, both acute and delayed****In case of inhalation****Effects**

- The thermal decomposition vapors of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

**Symptoms*****Exposure to decomposition products***

- Headache
- Shortness of breath
- Cough

**In case of skin contact****Effects**

- No adverse effects are normally expected.

**Symptoms*****Exposure to decomposition products***

- Irritation
- Redness
- Burn

**In case of eye contact****Effects**

- No adverse effects are normally expected.

**Symptoms*****Exposure to decomposition products***

- Irritation
- Redness
- Burn

**In case of ingestion****Effects**

- negligible

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

- no data available

**SECTION 5: Firefighting measures****Flash point**

The product is not flammable.

**Autoignition temperature**

Not applicable

**Flammability / Explosive limit**

No data available

**5.1 Extinguishing media****Suitable extinguishing media**

- Water
- powder
- Foam
- Dry chemical
- Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media**

- None.

**5.2 Special hazards arising from the substance or mixture****Specific hazards during fire fighting**

- The product is not flammable.
- Not explosive
- Hazardous decomposition products formed under fire conditions.

**Hazardous combustion products:**

- Gaseous hydrogen fluoride (HF).
- Fluorophosgene
- Fluorinated olefins
- Other hazardous decomposition products may be formed.

**5.3 Advice for firefighters****Special protective equipment for fire-fighters**

- Wear self-contained breathing apparatus and protective suit.
- When intervention in close proximity wear acid resistant over suit.

**Further information**

- Evacuate personnel to safe areas.
- Approach from upwind.
- Protect intervention team with a water spray as they approach the fire.
- Keep containers and surroundings cool with water spray.
- Keep product and empty container away from heat and sources of ignition.

**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.

**Advice for emergency responders**

- Ensure adequate ventilation.
- Keep away from open flames, hot surfaces and sources of ignition.

**6.2 Environmental precautions**

- The product should not be allowed to enter drains, water courses or the soil.
- In case of accidental release or spill, immediately notify the appropriate authorities if required by Federal, State/Provincial and local laws and regulations.
- Should not be released into the environment.
- Do not flush into surface water or sanitary sewer system.

**6.3 Methods and materials for containment and cleaning up**

- Sweep up or vacuum up spillage and collect in suitable container for disposal.

**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**

- Ensure adequate ventilation.
- Keep away from heat and sources of ignition.
- Use personal protective equipment.
- To avoid thermal decomposition, do not overheat.
- Take measures to prevent the build up of electrostatic charge.
- Clean and dry piping circuits and equipment before any operations.
- Ensure all equipment is electrically grounded before beginning transfer operations.

**Hygiene measures**

- Ensure that eyewash stations and safety showers are close to the workstation location.
- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions**

- Keep in properly labeled containers.
- Keep away from heat and sources of ignition.
- Keep away from combustible material.
- Keep away from incompatible products
- Provide tight electrical equipment well protected against corrosion.
- Refer to protective measures listed in sections 7 and 8.

**Packaging material****Suitable material**

- Aluminum
- Paper + PE coating.

**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**

*During vulcanization small amounts of methyl iodide (CH<sub>3</sub>I) may be formed and liberated as a gas.*

**Components with workplace occupational exposure limits**

| Components     | Value type                     | Value | Basis                                                     |
|----------------|--------------------------------|-------|-----------------------------------------------------------|
| Methane, iodo- | TWA                            | 2 ppm | American Conference of Governmental Industrial Hygienists |
|                | Danger of cutaneous absorption |       |                                                           |

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|                                                                    |     |                   |                                                                                          |
|--------------------------------------------------------------------|-----|-------------------|------------------------------------------------------------------------------------------|
| Methane, iodo-                                                     | TWA | 2 ppm<br>10 mg/m3 | National Institute for Occupational Safety and Health                                    |
| Potential Occupational Carcinogen, Potential for dermal absorption |     |                   |                                                                                          |
| Methane, iodo-                                                     | TWA | 5 ppm<br>28 mg/m3 | Occupational Safety and Health Administration<br>- Table Z-1 Limits for Air Contaminants |
| Skin designation                                                   |     |                   |                                                                                          |

**Threshold limit values of by-products from thermal decomposition:****Components with workplace occupational exposure limits**

| Components                                               | Value type | Value              | Basis                                                                                    |
|----------------------------------------------------------|------------|--------------------|------------------------------------------------------------------------------------------|
| Hydrofluoric acid                                        | TWA        | 0.5 ppm            | American Conference of Governmental Industrial Hygienists                                |
| Danger of cutaneous absorption<br>Expressed as :Fluorine |            |                    |                                                                                          |
| Hydrofluoric acid                                        | C          | 2 ppm              | American Conference of Governmental Industrial Hygienists                                |
| Danger of cutaneous absorption<br>Expressed as :Fluorine |            |                    |                                                                                          |
| Hydrofluoric acid                                        | C          | 6 ppm<br>5 mg/m3   | National Institute for Occupational Safety and Health                                    |
| Hydrofluoric acid                                        | TWA        | 3 ppm<br>2.5 mg/m3 | National Institute for Occupational Safety and Health                                    |
| Hydrofluoric acid                                        |            |                    | Occupational Safety and Health Administration<br>- Table Z-1 Limits for Air Contaminants |
| Expressed as :Fluorine                                   |            |                    |                                                                                          |
| Hydrofluoric acid                                        | TWA        | 3 ppm              | Occupational Safety and Health Administration<br>- Table Z-2                             |
| Carbonic difluoride                                      | TWA        | 2 ppm              | American Conference of Governmental Industrial Hygienists                                |
| Carbonic difluoride                                      | STEL       | 5 ppm              | American Conference of Governmental Industrial Hygienists                                |
| Carbonic difluoride                                      | TWA        | 2 ppm<br>5 mg/m3   | National Institute for Occupational Safety and Health                                    |
| Carbonic difluoride                                      | ST         | 5 ppm<br>15 mg/m3  | National Institute for Occupational Safety and Health                                    |

## 8.2 Exposure controls

### Control measures

#### **Engineering measures**

- Provide local ventilation appropriate to the product decomposition risk (see section 10).
- Refer to protective measures listed in sections 7 and 8.
- Apply technical measures to comply with the occupational exposure limits.

### Individual protection measures

#### **Respiratory protection**

- Use a NIOSH certified respirator with organic vapor cartridges when handling uncured/ unmolded product outside a cleanroom.
- Comply with OSHA respiratory protection requirements.
- In case of decomposition (see section 10), use an air breathing apparatus with face mask.
- Use only respiratory protection that conforms to international/ national standards.
- For additional information, consult the current edition of The Guide to the Safe Handling of Fluoropolymers published by the Society of Plastics Industry, Inc. (SPI) Fluoropolymer Division.

#### **Hand protection**

- Wear protective gloves.
- Protective gloves - impervious chemical resistant:

#### ***Suitable material***

- Nitrile rubber
- PVC
- Neoprene gloves
- butyl-rubber

- 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).

#### **Eye protection**

- Safety glasses with side-shields
- In case of high-temperature processing
- Tightly fitting safety goggles

#### **Skin and body protection**

- Long sleeved clothing
- Safety shoes

#### **Hygiene measures**

- Ensure that eyewash stations and safety showers are close to the workstation location.
- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- 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

#### Physical state

solid

|                                                       |                                                                                                                                  |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Form</u></b>                                    | sheets                                                                                                                           |
| <b><u>Color</u></b>                                   | translucent                                                                                                                      |
| <b><u>Odor</u></b>                                    | odorless                                                                                                                         |
| <b><u>Odor Threshold</u></b>                          | Not applicable                                                                                                                   |
| <b><u>Melting point/freezing point</u></b>            | <u>Melting point/range:</u><br>Not applicable                                                                                    |
| <b><u>Initial boiling point and boiling range</u></b> | <u>Boiling point/boiling range:</u><br>Not applicable                                                                            |
| <b><u>Flammability (solid, gas)</u></b>               | The product is not flammable.                                                                                                    |
| <b><u>Flammability (liquids)</u></b>                  | Not applicable                                                                                                                   |
| <b><u>Flammability / Explosive limit</u></b>          | No data available                                                                                                                |
| <b><u>Flash point</u></b>                             | The product is not flammable.                                                                                                    |
| <b><u>Autoignition temperature</u></b>                | No data available                                                                                                                |
| <b><u>Decomposition temperature</u></b>               | > 482 °F (> 250 °C)                                                                                                              |
| <b><u>pH</u></b>                                      | Not applicable                                                                                                                   |
| <b><u>Viscosity</u></b>                               | No data available                                                                                                                |
| <b><u>Solubility</u></b>                              | <u>Water solubility:</u><br>insoluble<br><br><u>Solubility in other solvents:</u><br>Esters: insoluble<br><br>Ketones: insoluble |
| <b><u>Partition coefficient: n-octanol/water</u></b>  | No data available                                                                                                                |
| <b><u>Vapor pressure</u></b>                          | No data available                                                                                                                |
| <b><u>Density</u></b>                                 | 2.05 g/cm <sup>3</sup>                                                                                                           |
| <b><u>Relative density</u></b>                        | No data available                                                                                                                |
| <b><u>Relative vapor density</u></b>                  | No data available                                                                                                                |
| <b><u>Particle characteristics</u></b>                | <u>Particle size:</u><br>Not applicable                                                                                          |
| <b><u>Evaporation rate (Butylacetate = 1)</u></b>     | No data available                                                                                                                |
| <b>9.2 Other information</b>                          |                                                                                                                                  |
| <b><u>Oxidizing properties</u></b>                    | Not considered as oxidizing.                                                                                                     |
| <b><u>Self-ignition</u></b>                           | Not applicable                                                                                                                   |

|                                  |                                    |
|----------------------------------|------------------------------------|
| <b><u>Impact sensitivity</u></b> | Not explosive                      |
| <b><u>Molecular weight</u></b>   | 30 - 150 kDa<br>Polymer Molar Mass |

**SECTION 10: Stability and reactivity****10.1 Reactivity**

- No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

- Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

- No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid**

- To avoid thermal decomposition, do not overheat.
- Keep away from flames and sparks.

**10.5 Incompatible materials**

- Alkali metals (molten form)

**10.6 Hazardous decomposition products**

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

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

**Acute oral toxicity** No data available

**Acute inhalation toxicity** No data available

**Acute dermal toxicity** No data available

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

**Skin corrosion/irritation** No data available

**Serious eye damage/eye irritation** No data available

**Respiratory or skin sensitization** No data available

**Mutagenicity**

**Genotoxicity in vitro** No data available

**Genotoxicity in vivo** No data available

**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** No data available

**Developmental Toxicity/Teratogenicity** No data available

**STOT**

**STOT-single exposure** No data available

**STOT-repeated exposure** No data available

**Experience with human exposure** No data available

**Aspiration toxicity** No data available

**Further information** Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several ingredients.

Thermal decomposition can lead to release of toxic and corrosive gases.  
The exposure to decomposition products causes severe irritation of eyes, skin and mucous membranes.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic Compartment**

**Acute toxicity to fish** No data available

**Acute toxicity to daphnia and other aquatic invertebrates** No data available

**Toxicity to aquatic plants** No data available

**Toxicity to microorganisms** No data available

**Chronic toxicity to fish** No data available

**Chronic toxicity to daphnia and other aquatic invertebrates** No data available

### 12.2 Persistence and degradability

**Abiotic degradation** No data available

**Physical- and photo-chemical elimination** No data available

**Biodegradation**

No data available

**12.3 Bioaccumulative potential****Partition coefficient: n-octanol/water** No data available**Bioconcentration factor (BCF)** No data available**12.4 Mobility in soil****Adsorption potential (Koc)** No data available**Known distribution to environmental compartments** No data available**12.5 Results of PBT and vPvB assessment** No data available**12.6 Other adverse effects** No data available**Remarks** Ecological injuries are not known or expected under normal use.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product Disposal**

- Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations.
- Waste characterizations and compliance with applicable laws and regulations are the responsibility of the waste generator.
- Can be incinerated, when in compliance with local regulations.
- The incinerator must be equipped with a system for the neutralization or recovery of HF.

**Advice on cleaning and disposal of packaging**

- Empty containers can be landfilled, when in accordance with the local regulations.

**SECTION 14: Transport information****49 CFR**

not regulated

**TDG**

not regulated

**NOM**

not regulated

**IMDG**

not regulated

**IATA**

not regulated

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**

| Inventory Information                                                                    | Status                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| United States TSCA Inventory                                                             | <ul style="list-style-type: none"> <li>- One or more components is/are in Low Volume Exemption (LVE).</li> <li>- Additional use restrictions apply. Contact your local customer service or sales representative for details.</li> </ul> |
| Canadian Domestic Substances List (DSL)                                                  | <ul style="list-style-type: none"> <li>- One or more components not listed on inventory</li> </ul>                                                                                                                                      |
| Canadian Non-Domestic Substances List (NDSL)                                             | <ul style="list-style-type: none"> <li>- One or more components not listed on inventory</li> </ul>                                                                                                                                      |
| Australian Inventory of Industrial Chemicals (AIIC)                                      | <ul style="list-style-type: none"> <li>- One or more components not listed on inventory</li> </ul>                                                                                                                                      |
| Korea. Korean Existing Chemicals Inventory (KECI)                                        | <ul style="list-style-type: none"> <li>- Listed on Inventory</li> </ul>                                                                                                                                                                 |
| China. Inventory of Existing Chemical Substances in China (IECSC)                        | <ul style="list-style-type: none"> <li>- This substance/mixture can only be imported by Syensqo. Contact Syensqo for further details.</li> </ul>                                                                                        |
| Japan. ISHL - Inventory of Chemical Substances                                           | <ul style="list-style-type: none"> <li>- One or more components is/are in Small Quantity Exemption (SQE).</li> <li>- This exemption is valid only for manufacture or import by Syensqo. Contact Syensqo for further details.</li> </ul> |
| Japan. CSCL - Inventory of Existing and New Chemical Substances                          | <ul style="list-style-type: none"> <li>- One or more components is/are in Small Quantity Exemption (SQE).</li> <li>- This exemption is valid only for manufacture or import by Syensqo. Contact Syensqo for further details.</li> </ul> |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS)                       | <ul style="list-style-type: none"> <li>- One or more components not listed on inventory</li> </ul>                                                                                                                                      |
| New Zealand. Inventory of Chemical Substances                                            | <ul style="list-style-type: none"> <li>- One or more components not listed on inventory</li> </ul>                                                                                                                                      |
| Taiwan. Chemical Substance Inventory (TCSI)                                              | <ul style="list-style-type: none"> <li>- Listed on Inventory</li> </ul>                                                                                                                                                                 |
| EU. European Registration, Evaluation, Authorization and Restriction of Chemical (REACH) | <ul style="list-style-type: none"> <li>- If product is purchased from Syensqo in Europe it is in compliance with REACH, if not please contact the supplier.</li> </ul>                                                                  |

**15.2 Federal Regulations****US. EPA EPCRA SARA Title III****SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)**

No SARA Hazards

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

This statement is valid for product sold after January 1, 2024 which is the date under which this supplier notification is required under the final rule (EPA-HQ-TRI-2022-0270) amending 40 CFR 372.

This product may contain the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40 CFR 372):

Perfluorooctanoic acid (CAS 335-67-1) at a concentration that does not exceed 25 ppb; and Perfluorononanoic acid (C9 PFCA, CAS 375-95-1), Perfluorodecanoic acid (C10 PFCA, CAS 335-76-2), Perfluorododecanoic acid (C12 PFCA, CAS 307-55-1), and Perfluorotetradecanoic acid (C14 PFCA, CAS 376-06-7) where the content of C9, C10, C12 and C14 PFCA does not exceed 25 ppb. (sum of C9-C14 PFCA < 25 ppb)

This information must be included in all SDSs that are copied and distributed for this material.

**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**

- no data available

**SECTION 16: Other information****Further information**

- Product evaluated under the US GHS format.

**Date Prepared:** 01/12/2024

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

- C: Ceiling limit
- PEL: Permissible exposure limit
- ST: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
- STEL: Short term exposure limit
- 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
- ADR: European Agreement on International Carriage of Dangerous Goods by Road.
- ADN: European Agreement on the International Carriage of Dangerous Goods by Inland Waterways.
- RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
- IATA: International Air Transport Association.
- ICAO-TI: Technical Specification for Safe Transport of Dangerous Goods by Air.

|         |                                                                                       |
|---------|---------------------------------------------------------------------------------------|
| - IMDG: | International Maritime Dangerous Goods.                                               |
| - TWA:  | Time weighted average                                                                 |
| - ATE:  | Estimated value of acute toxicity                                                     |
| - EC:   | European Community number                                                             |
| - CAS:  | Chemical Abstracts Service.                                                           |
| - LD50: | Substance that causes 50% (half) death in the test animals group (Median Fatal Dose). |
| - LC50: | Substance concentration causing 50% (half) death in the test animals group.           |
| - EC50: | Effective Concentration of the substance causing the maximum of 50%.                  |
| - PBT:  | Persistent, Bioaccumulative and Toxic substance.                                      |
| - vPvB: | Very Persistent and Very Bioaccumulative.                                             |
| - SEA:  | Classification, labeling, packaging regulation                                        |
| - DNEL: | Derived No Effect Level                                                               |
| - PNEC: | Predicted No Effect Concentration                                                     |
| - STOT: | Specific Target Organ Toxicity                                                        |

**Not all acronyms listed above are referenced in this SDS.**

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.