

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

- Trade name Veradel® PESU 3100P

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

- Plastics industry

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

Syensqo (Shanghai) International Trading Co., Ltd.  
3966, JINDU RD, XINZHUANG INDUSTRIAL ZONE, MINHANG DISTRICT, SHANGHAI, CHINA 201108  
Tel: +86 21 2350 1000

**E-mail address**

For questions about SDS content: [manager.sds@syensqo.com](mailto:manager.sds@syensqo.com)  
For all other topics use: [www.syensqo.com/en/form/documentation](http://www.syensqo.com/en/form/documentation)

**1.4 Emergency telephone number**

400 120 6011 (toll-free, access from China only)  
NRCC  
CHINA (DOMESTIC ONLY): +86 532 8388 9090 (Qingdao)  
MULTI LINGUAL EMERGENCY NUMBER (24/7)  
Europe/Latin America/Africa: +44 1235 239 670 (UK)  
Middle East/Africa speaking Arabic: +44 1235 239 671 (UK)  
Asia Pacific : +65 3158 1074 (Singapore)  
China : 400 120 6011 (toll-free, access from China only)  
North America : +1 800 424 9300

**SECTION 2: Hazards identification****2.1 Emergency overview**

<b><u>Appearance</u></b>	<b><u>Form:</u></b>	powder
	<b><u>Physical state:</u></b>	solid
	<b><u>Colour:</u></b>	white
	<b><u>Odour</u></b>	odourless
May damage fertility or the unborn child.		

**2.2 Classification of the substance or mixture****GHS Classification and Labeling: Follow GB 15258 and GB 30000 series standard**

Reproductive toxicity, Category 1B

H360: May damage fertility or the unborn child.

**2.3 Label elements****GHS Classification and Labeling: Follow GB 15258 and GB 30000 series standard****Hazardous products which must be listed on the label**

- CAS-No. 126-33-0 Sulfolane



**Pictogram****Signal word**

- Danger

**Hazard statements**

- H360 May damage fertility or the unborn child.

**Precautionary statements**General

- None

Prevention

- P203 Obtain, read and follow all safety instructions before use.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response

- P318 IF exposed or concerned, get medical advice.

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

**2.4 Physical and chemical hazards**

- Not classified based on available information.

**2.5 Health hazards**

May damage fertility or the unborn child.

**2.6 Environmental hazards**

- Not classified based on available information.

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

None known.

**SECTION 3: Composition/information on ingredients****3.1 Substance****Information on Components and Impurities**

Chemical name	CAS-No.	Identification number	GHS Classification	Concentration [%]
Polyethersulfone	25608-63-3	Not applicable	Not classified	>= 99
Sulfolane	126-33-0	Not applicable	Acute toxicity, Category 5; H303 Reproductive toxicity, Category 1B; H360	>= 0.5 - < 1

For the full text of the H-Statements mentioned in this Section, see Section 16.



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### 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.
- If symptoms persist, call a physician.

#### In case of skin contact

- Cool skin rapidly with cold water after contact with hot polymer.
- Do not peel polymer from the skin.
- Obtain medical attention.

#### In case of eye contact

- Flush eyes with running water for several minutes, while keeping the eyelids wide open.
- If eye irritation persists, consult a specialist.

#### In case of ingestion

- Never give anything by mouth to an unconscious person.
- If a large amount is swallowed, get medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

#### In case of inhalation

##### Effects

- Mechanical irritation from the particulates generated by the product.
- Thermal decomposition can lead to release of hazardous gases and vapors

#### In case of skin contact

##### Effects

- Mechanical irritation from the particulates generated by the product.

#### In case of eye contact

##### Effects

- Mechanical irritation from the particulates generated by the product.

#### In case of ingestion

##### Effects

- Low ingestion hazard.

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

#### Notes to physician

- None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

- powder



- Foam
- Water
- Water spray
- Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media**

- None known.

**5.2 Special hazards arising from the substance or mixture**

- Combustible material
- In a fire, the polymer melts, producing droplets which may propagate fire.
- Once started, a fire will tend to self extinguish (see section 9).
- Heating can release hazardous gases.

**5.3 Advice for firefighters****Special protective equipment for firefighters**

- In the event of fire, wear self-contained breathing apparatus.
- Fire fighters must wear fire resistant personnel protective equipment.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****Advice for non-emergency personnel**

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

**Advice for emergency responders**

- Sweep up to prevent slipping hazard.
- Avoid dust formation.
- Refer to protective measures listed in sections 7 and 8.

**6.2 Environmental precautions**

- Should not be released into the environment.
- The product should not be allowed to enter drains, water courses or the soil.

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

- Sweep up and shovel into suitable containers for disposal.
- Avoid dust formation.
- Keep in properly labelled containers.
- Keep in suitable, closed containers for disposal.
- Treat recovered material as described in the section "Disposal considerations".

**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**

- Take measures to prevent the build up of electrostatic charge.
- Ensure all equipment is electrically grounded before beginning transfer operations.



- Use only equipment and materials which are compatible with the product.
- To avoid thermal decomposition, do not overheat.

**Hygiene measures**

- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

**Dust explosion class**

- St1

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

- Keep container tightly closed.
- Keep away from heat and sources of ignition.
- Keep away from open flames, hot surfaces and sources of ignition.
- To avoid thermal decomposition, do not overheat.
- Avoid dust formation.
- Do not smoke.
- Refer to protective measures listed in sections 7 and 8.

**7.3 Specific end use(s)**

- For further information, please contact:
- Supplier

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Components with other occupational exposure limits**

Components	Value type	Value	Basis
Particles (insoluble or poorly soluble) not otherwise specified	TWA	10 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
Form of exposure : Inhalable particulate matter			
Particles (insoluble or poorly soluble) not otherwise specified	TWA	3 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
Form of exposure : Respirable particulate matter			

*We are not aware of any national exposure limit.*

**Components with other occupational exposure limits**

Components	Value type	Value	Basis
Sulfolane	TWA	0.37 ppm 1.8 mg/m <sup>3</sup>	Corporate Acceptable Exposure Limit
Skin			



## 8.2 Exposure controls

### Control measures

#### **Engineering measures**

- Provide local ventilation appropriate to the product decomposition risk (see section 10).
- Provide appropriate exhaust ventilation at places where dust is formed.
- Refer to protective measures listed in sections 7 and 8.

### Individual protection measures

#### **Respiratory protection**

- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Use only respiratory protection that conforms to international/ national standards.

#### **Hand protection**

- When handling hot material, use heat resistant gloves.

#### **Eye protection**

- Safety glasses with side-shields
- Dust proof goggles, if dusty.

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

- Long sleeved clothing

#### **Hygiene measures**

- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

#### **Protective measures**

- When using do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b><u>Physical state</u></b>	solid
<b><u>Form</u></b>	powder
<b><u>Colour</u></b>	white
<b><u>Odour</u></b>	odourless
<b><u>Odour Threshold</u></b>	No data available
<b><u>Melting point/freezing point</u></b>	<u>Softening point</u> : 220 °C
<b><u>Initial boiling point and boiling range</u></b>	<u>Boiling point/boiling range</u> : Not applicable
<b><u>Flammability (solid, gas)</u></b>	May form combustible dust concentrations in air, The product is not flammable.
<b><u>Flammability (liquids)</u></b>	No data available
<b><u>Flammability/Explosive limit</u></b>	No data available
<b><u>Flash point</u></b>	Not applicable
<b><u>Auto-ignition temperature</u></b>	No data available
<b><u>Decomposition temperature</u></b>	> 400 °C Extended period of exposure (ca. 1 hour).
<b><u>pH</u></b>	substance/mixture is non-soluble (in water)



<b><u>Viscosity</u></b>	No data available
<b><u>Solubility</u></b>	<u>Water solubility:</u> negligible
<b><u>Partition coefficient: n-octanol/water</u></b>	Not applicable
<b><u>Vapour pressure</u></b>	Not applicable
<b><u>Density</u></b>	No data available
<b><u>Relative density</u></b>	No data available
<b><u>Relative vapor density</u></b>	Not applicable
<b><u>Particle characteristics</u></b>	No data available
<b><u>Evaporation rate (Butylacetate = 1)</u></b>	No data available

**9.2 Other information**

<b><u>Dust deflagration index (Kst)</u></b>	34 m.bar/s
<b><u>Dust explosion constant</u></b>	St1
<b><u>Minimum ignition energy</u></b>	> 1,000 mJ

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

- No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

- Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

- No dangerous reaction known under conditions of normal use.

**polymerisation**

- Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

- Heat, flames and sparks.
- To avoid thermal decomposition, do not overheat.
- Avoid dust formation.
- The normal temperature for processing this resin exceeds the decomposition and/or ignition temperature of some other polymeric resins, such as polyacetal, polyvinyl chloride (PVC), polypropylene, etc. If PVC or any other resin with a decomposition temperature below 371°C / 700°F is molded or handled in your equipment, these materials can rapidly decompose and/or react with this resin at the temperatures used to process this resin. Inadvertent contamination of this resin with these materials from the material handling system or other equipment can result in a rapid, possibly violent release of decomposition fumes, when the contaminated material is brought to processing temperature. To avoid, thoroughly clean molding and other processing equipment prior to changeover and prevent cross contamination of material handling systems.

**10.5 Incompatible materials**

- Polymeric resins



**10.6 Hazardous decomposition products**

- Carbon monoxide
- Sulphur oxides
- Hydrocarbons
- The release of other hazardous decomposition products is possible.

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

Polyethersulfone

By analogy

Not classified as hazardous for acute oral toxicity according to GHS.

Expert judgement

Published data

Sulfolane

LD50 : 2,006 mg/kg - Rat , male

Symptoms: Convulsions

LD50: 2,130 mg/kg - Rat , female

Method: OECD Test Guideline 401

Symptoms: Convulsions

The product has a low acute toxicity

Unpublished reports

**Acute inhalation toxicity**

Sulfolane

LC50 - 4 h ( dust/mist ) : &gt; 12 mg/l - Rat , male and female

Method: according to a standardised method

Not classified as hazardous for acute inhalation toxicity according to GHS.

vapour

No mortality observed at this concentration.

Published data

**Acute dermal toxicity**

Sulfolane

LD50 : &gt; 2,000 mg/kg - Rat , male and female

Method: Directive 67/548/EEC, Annex V, B.3.

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

Occlusive

No mortality observed at this dose.

Unpublished reports

No data available

**Acute toxicity (other routes of administration)****Skin corrosion/irritation**

Sulfolane

Rabbit

No skin irritation

Published data

**Serious eye damage/eye irritation**

Sulfolane

Rabbit

slight irritation

Method: according to a standardised method

Published data

**Respiratory or skin sensitisation**

Sulfolane

Maximisation Test - Guinea pig

Does not cause skin sensitisation.

Method: Directive 67/548/EEC, Annex V, B.6.

Unpublished reports

**Mutagenicity**

**Genotoxicity in vitro**

Sulfolane

Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
with and without metabolic activation

negative

Method: OECD Test Guideline 471

Unpublished reports

Chromosome aberration test in vitro

Strain: Chinese hamster lung cells

with and without metabolic activation

negative

Method: according to a standardised method

Unpublished reports

Gene mutation assays in mammalian cells.

Strain: mouse lymphoma cells

with and without metabolic activation

Method: OECD Test Guideline 476

Product is not considered to be genotoxic.

Unpublished reports

**Genotoxicity in vivo**

No data available

**Carcinogenicity**

No data available

**Toxicity for reproduction and development****Toxicity to reproduction/Fertility**

Sulfolane

Reproduction/developmental toxicity screening test - Rat, male and female, Oral

Fertility NOAEL Parent: 200 mg/kg

OECD Test Guideline 421

Unpublished reports

**Developmental Toxicity/Teratogenicity**

Sulfolane

Rat, male and female, Oral

General Toxicity Maternal NOAEL: 200 mg/kg

Teratogenicity NOAEL:60mg/kg

Method: OECD Test Guideline 421

Reproduction/developmental toxicity screening test, foetotoxic effect,

Unpublished reports

Rat, female, Oral

General Toxicity Maternal NOAEL: 100 mg/kg

Teratogenicity NOAEL:200mg/kg

Method: OECD Test Guideline 414

Unpublished reports

**STOT****STOT - single exposure**

Sulfolane

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure**

Sulfolane

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Sulfolane

Oral 28-day - Rat , male and female

NOAEL: 200 mg/l

Method: according to a standardised method

Effects on the kidney not relevant for humans.

Unpublished reports



Inhalation (aerosol) 90 - 110 Days - Rat , male and female  
 NOAEC: 0.02 mg/kg  
 Method: according to a standardised method  
 Not considered to cause serious damage to health on repeated exposure  
 Published data

**Experience with human exposure**  
**CMR effects**

No data available

**Mutagenicity**

Sulfolane

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**Teratogenicity**

Sulfolane

Classified as toxic for the reproduction in Category 1B (development) according to GHS criteria

**Aspiration toxicity**

Sulfolane

No aspiration toxicity classification

**Further information**

Because the components are encapsulated in the resin and may not be bioavailable in the body, they may not exert the above mentioned health effects. Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic Compartment**

**Acute toxicity to fish**

Sulfolane

LC50 - 96 h : > 100 mg/l - *Oryzias latipes* (Orange-red killifish)  
 static test  
 Analytical monitoring: yes

Method: OECD Test Guideline 203  
 Not harmful to fish (LC/LL50 > 100 mg/L)  
 Unpublished reports

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

Sulfolane

EC50 - 48 h : 852 mg/l - *Daphnia magna* (Water flea)  
 static test

Analytical monitoring: yes  
 Method: OECD Test Guideline 202  
 Not harmful to aquatic invertebrates. (EC/EL50 > 100 mg/L)  
 Unpublished reports

**Toxicity to aquatic plants**

Sulfolane

ErC50 - 72 h : 500 mg/l - Algae : *Pseudokirchneriella subcapitata* (*Selenastrum capricornutum*)  
 static test

Analytical monitoring: yes  
 Method: OECD Test Guideline 201  
 Not harmful to algae (EC/EL50 > 100 mg/L)  
 Growth rate  
 (nominal concentrations)  
 Unpublished reports



NOEC - 72 h : 171 mg/l - Algae : Pseudokirchneriella subcapitata (Selenastrum capricornutum)  
 static test  
 Analytical monitoring: yes  
 Method: OECD Test Guideline 201  
 No adverse chronic effect observed up to and including the threshold of 1 mg/L.  
 Growth rate  
 (nominal concentrations)  
 Unpublished reports

**Toxicity to microorganisms**

Sulfolane

NOEC - 14 Days : 100 mg/l - activated sludge  
 semi-static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 301  
 Unpublished reports

**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****Stability in water**

Sulfolane

pH: 4.0  
 Temperature of hydrolysis: 50 °C  
 Degree of hydrolysis: 0 %  
 Hydrolysis time: 5 Days  
 Method: OECD Test Guideline 111  
 Unpublished reports

pH: 7.0  
 Temperature of hydrolysis: 50 °C  
 Degree of hydrolysis: 0 %  
 Hydrolysis time: 5 Days  
 Method: OECD Test Guideline 111  
 Unpublished reports

pH: 9.0  
 Temperature of hydrolysis: 50 °C  
 Degree of hydrolysis: 0 %  
 Hydrolysis time: 5 Days  
 Method: OECD Test Guideline 111  
 Unpublished reports

**Physical- and photo-chemical elimination**

No data available

**Biodegradation****Biodegradability**

Sulfolane

Ready biodegradability study:  
 Method: OECD Test Guideline 301C  
 10.1 % - 14 Days  
 The substance does not fulfill the criteria for ready biodegradability and ultimate



aerobic biodegradability  
O<sub>2</sub> consumption  
Inoculum: activated sludge  
Conc. in standard unit mg/l: 100 mg/l  
Unpublished reports

Ready biodegradability study:  
Method: OECD Test Guideline 306  
19 % - 28 Days  
not rapidly degradable  
O<sub>2</sub> consumption  
Inoculum: Marine water  
Conc. in standard unit mg/l: 2 mg/l  
Unpublished reports

Ready biodegradability study:  
Method: OECD Test Guideline 306  
7 % - 28 Days  
not rapidly degradable  
O<sub>2</sub> consumption  
Inoculum: Marine water  
Conc. in standard unit mg/l: 4 mg/l  
Unpublished reports

Sediment  
not rapidly degradable  
Conc. in standard unit mg/l: 200 mg/l  
Published data

### Degradability assessment

Sulfolane

The product is not considered to be rapidly degradable in the environment

### 12.3 Bioaccumulative potential

#### **Partition coefficient: n-octanol/water**

Sulfolane

Not potentially bioaccumulable

#### **Bioconcentration factor (BCF)**

Sulfolane

Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): < 1.3  
Exposure time: 6 Weeks  
Temperature: 25 °C  
Concentration: 2.5 mg/l  
Not potentially bioaccumulable  
Unpublished reports

### 12.4 Mobility in soil

#### **Adsorption potential (K<sub>oc</sub>)**

Sulfolane

Adsorption  
K<sub>oc</sub>: 3.35  
Method: Calculation method  
Unpublished reports

#### **Known distribution to environmental compartments**

Sulfolane

Ultimate destination of the product : Water/soil  
Predicted distribution to environmental compartments  
Structure-activity relationship (SAR)



**12.5 Results of PBT and vPvB assessment**

Sulfolane Not persistent, bioaccumulative, and toxic (PBT).  
Not very persistent and very bioaccumulative (vPvB).

**12.6 Other adverse effects****Ecotoxicity assessment****Short-term (acute) aquatic hazard**

Polyethersulfone Not classified due to lack of data.

Sulfolane The product does not have any known adverse effects on the aquatic organisms tested

**Long-term (chronic) aquatic hazard**

Polyethersulfone Not classified due to lack of data.

Sulfolane Does not have any known long-term adverse effects on the aquatic organisms tested

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product Disposal**

- In accordance with local and national regulations.
- Waste characterizations and compliance with applicable laws and regulations are the responsibility of the waste generator.
- Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
- Can be landfilled or incinerated, when in compliance with local regulations.
- Do not dispose of waste product into drains or watercourses.

**Advice on cleaning and disposal of packaging**

- Empty containers.
- Dispose of as unused product.
- For unused and uncontaminated product, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device or industrial landfill.

**SECTION 14: Transport information****CN DG**

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 transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Following last version of regulations are applicable for the chemical classification, SDS and label:**

- Specification for classification and labelling of chemicals, GB 30000 series standard
- General rules for preparation of precautionary label for chemicals, GB 15258
- Safety data sheet for chemical products—Content and order of sections, GB/T 16483
- GB/T 17519 Guidance on the compilation of safety data sheet for chemical products
- Decree No. 591 of the State Council of the People's Republic of China: Regulations on the Control over Safety of Hazardous Chemicals
- List of dangerous goods GB 12268
- Classification and code of dangerous goods GB 6944

**Other regulations**

- Law on the Prevention and Control of Occupational Diseases

**Notification status**

<b>Inventory Information</b>	<b>Status</b>
United States TSCA Inventory	- Listed as active on the TSCA inventory
Canadian Domestic Substances List (DSL)	- Listed on Inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	- Listed on Inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- Listed on Inventory
Australian Inventory of Industrial Chemicals (AIIC)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
EU. European Registration, Evaluation, Authorization and Restriction of Chemical (REACH)	- When purchased from a Syensqo legal entity based in the EEA ("European Economic Area"), this product is compliant with the registration provisions of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt, and/or registered. When purchased from a legal entity outside of the EEA, please contact your local representative for additional information.

**SECTION 16: Other information****Full text of H-Statements**

- H303: May be harmful if swallowed.
- H360: May damage fertility or the unborn child.

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

- : Corporate Acceptable Exposure Limit
- TWA: 8-hour, time-weighted average
- 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 Instructions 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.
- GHS/CLP/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.**

#### **Further information**

- Distribute new edition to clients

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.

