

# SDS

(Safety Data Sheet)

Product name	: PERESEAL <sup>®</sup> FR	Version	: 1.6
Date of issue / Date of revision	: 15/05/2025	Page	: 1 of 17
Date of previous issue	: 20/05/2020		

## Section 1. Product and Company Identification

<b>Product Name</b>	: PERESEAL <sup>®</sup> FR Acrylic	<b>Emergency Telephone Number:</b>	+65 6558 6388
<b>Chemical Name</b>	: Intumescent Acrylic Sealant	<b>Telephone number for Information:</b>	+65 6558 6388
<b>Supplier/ Manufacturer Information</b>	: PFE Technologies Pte Ltd 9 Gul Street 4 Singapore 629238	<b>Fax Number:</b>	+65 6558 7310
<b>Contact Person</b>	: <a href="mailto:info@pfe.tech">info@pfe.tech</a>		
<b>Email</b>	: <a href="mailto:info@pfe.tech">info@pfe.tech</a>		
<b>Website</b>	: <a href="http://www.pfe.tech">www.pfe.tech</a>		

## Section 2. Hazards Identification

**Classification of the substance or mixture** : Upon assessment, this mixture is not classified as hazardous according to 1272/2008.

### GHS label elements

**Hazard pictograms** : Not applicable

**Signal word** : Not applicable

**Hazard statements** : Not applicable

## Section 3. Composition / Information on Ingredients

This product is a pastous mixture.

**Mixtures** : The product contains no substances, nor concentration levels thereof, that require marking or that need to be declared.

## Section 4. First-aid Measures

### Description of necessary first aid measures

**Eye contact** : As a precaution, rinse the eye thoroughly with water; If symptoms occur, call a doctor/physician.

**Inhalation** : Let the injured person rest in a warm place with fresh air; If symptoms persist, call a doctor/physician.

# SDS

(Safety Data Sheet)

Product name	: PERESEAL® FR	Version	: 1.6
Date of issue / Date of revision	: 15/05/2025	Page	: 2 of 17
Date of previous issue	: 20/05/2020		

**Skin contact** : Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.  
Remove contaminated clothes.

**Ingestion** : First rinse the mouth thoroughly with a lot of water and SPIT OUT the water. Then drink at least 1/2 liter of water. Call a doctor/physician if symptoms persists.

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

Information on symptoms are ambiguous or missing for this product.

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

Symptomatic treatment.

## **Section 5. Fire-Fighting Measures**

### **Extinguishing Media**

**Suitable extinguishing media** : Extinguish with materials intended for the surrounding fire.

**Specific hazards arising from the chemical** : Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.  
The product is not hazardous in the flammable sense.

**Advice for fire-fighters** : In case of fire use a respirator mask.

## **Section 6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures** : Use suitable allergy-tested protective gloves when cleaning up.  
Dust filter 11b (P2) may be required when cleaning up.  
In case of spillage in protected water, call the emergency services immediately, tel. 995 (in Singapore).  
Do not inhale the product and avoid exposure to skin and eyes.

**Environmental precautions** : At amounts considered in this case, the product may be released into the natural environment without serious environmental consequences. Large emissions should however be reported to the emergency services and the Environment Agency.

Product name	: PERESEAL® FR	Version	: 1.6
Date of issue / Date of revision	: 15/05/2025	Page	: 3 of 17
Date of previous issue	: 20/05/2020		

**Methods and material for containment and cleaning up** : Carefully collect the material for combustion waste disposal, then wash the spillage area with water.  
Avoid stirring the material up so that it aerates.  
Contaminated products should be treated as chemical waste and declared as non-hazardous goods.

**Reference to other sections** : See section 8 and 13 for personal protection equipment and disposal considerations

## Section 7. Handling and Storage

**Precautions for safe handling** : Treat the substance as potentially harmful to health.  
Do not eat, drink or smoke in premises where this product is stored.

**Conditions for safe storage, including any incompatibilities** : Store in a cool and dry place (above freezing temperature and not greater than 30°C).  
Handle in premises which have modern ventilation standards.  
Store in a well-ventilated area, not above eye-level.  
Store only in the original package.

**Specific end uses** : Not relevant.

## Section 8. Exposure Controls / Personal Protection

**Control parameters** : All ingredients (cf. Section 3) lack occupational exposure limit values.

**Exposure controls** : In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.  
Eye protection should be worn if there is any danger of direct exposure or splashing.  
Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions or microbiological risks.  
Very sensitive persons can use gloves labelled "Low Chemical resistant" or "Waterproof" or with the pictogram indicated here.



Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.  
Dust filter 11b (P2) may be required.  
For limitation of environmental exposure, see Section 12.

Product name	: PERESEAL <sup>®</sup> FR	Version	: 1.6
Date of issue / Date of revision	: 15/05/2025	Page	: 4 of 17
Date of previous issue	: 20/05/2020		

## Section 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Appearance</b>	:	Form: paste
	:	Colour: As supplied
<b>Odour</b>	:	Not applicable
<b>Odour threshold</b>	:	Not applicable
<b>pH</b>	:	7 – 9
<b>Melting point / freezing point</b>	:	Not applicable
<b>Initial boiling point and boiling range</b>	:	Not applicable
<b>Flash point</b>	:	Not applicable
<b>Evaporation rate</b>	:	Not applicable
<b>Flammability (solid, gas)</b>	:	Not applicable
<b>Lower and upper flammability or explosive limits</b>	:	Not applicable
<b>Vapour pressure</b>	:	Not applicable
<b>Vapour density</b>	:	Not applicable
<b>Relative density</b>	:	1.61 kg/L
<b>Solubility</b>	:	Not applicable
<b>Partition coefficient: n-octanol/ water</b>	:	Not applicable
<b>Auto-ignition temperature</b>	:	Not applicable
<b>Decomposition temperature</b>	:	Not applicable
<b>Viscosity</b>	:	Not applicable
<b>Explosive properties</b>	:	Not applicable
<b>Oxidising properties</b>	:	Not applicable

### **Other information**

No data available

## Section 10. Stability and Reactivity

<b>Reactivity</b>	:	The product contains no substances which can lead to hazardous reactions at normal use.
<b>Chemical stability</b>	:	The product is stable at normal storage and handling conditions.
<b>Possibility of hazardous reactions</b>	:	No hazardous reactions known.
<b>Conditions to avoid</b>	:	Not indicated.
<b>Incompatible materials</b>	:	Not indicated.
<b>Hazardous decomposition products</b>	:	None under normal conditions.

Product name	: PERESEAL® FR	Version	: 1.6
Date of issue / Date of revision	: 15/05/2025	Page	: 5 of 17
Date of previous issue	: 20/05/2020		

## Section 11. Toxicological Information

### Information on toxicological effects

**General or unspecific toxicity** : The product is not classified as toxic.

**Acute effects** : Not classified as an acutely toxic substance.

**Harmfulness** : The product is not classified as harmful to health.

**Repeated dose toxicity** : To the best of our knowledge, no chronic effects have been reported for this product.

**Carcinogenicity** : To the best of our knowledge, no carcinogenic effects have been reported for this product.

**CMR effects** : To the best of our knowledge, no mutagenic or otherwise genetic or reproductive toxic effects have been reported for this product.

**Sensibilisation** : Hypersensitive reactions cannot be ruled out for persons who are overtly sensitive.

**Corrosive and irritating effects** : The product is not corrosive. Minor irritation cannot be ruled out for persons who are prone/susceptible.

**Synergism and antagonism** : To the best of our knowledge, no synergistic effects have been reported for this product or any of its ingredients.

**Effect on judgement and other psychological effects** : To the best of our knowledge this product does not affect discernment if used in the manner intended.

**Effect on human microflora** : Effects on human micro flora have not been proven, or are negligible.

## Section 12. Ecological Information

**Toxicity** : This product consists of easily degradable naturally occurring or nature identical substances, mainly obtained from renewable sources, whereby the global environmental load may be considered to be negligible. In the local environment minor ecological effects may occur in case of large discharge.

**Persistence and degradability** : The product degrades in the natural environment.

**Bioaccumulative potential** : Neither this product, nor its contents, accumulates in nature.

**Mobility in soil** : The product is miscible with water and is therefore variable in soil and water.

**Results of PBT and vPvB assessment** : No chemical safety report has been executed.

**Other adverse effects** : Not indicated

Product name	: PERESEAL® FR	Version	: 1.6
Date of issue / Date of revision	: 15/05/2025	Page	: 6 of 17
Date of previous issue	: 20/05/2020		

## Section 13. Disposal Considerations

### Waste treatment methods

**Waste handling for the product** : The product is not classified as hazardous waste.  
Also take local regulations for dealing with waste into account.

**Recycling of the product** : This product is not usually recycled.

**Transportation of waste** : Waste class J(0) - Does not have adverse effects on health or the environment.

## Section 14. Transport Information

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

**UN number** : Not classified as dangerous goods

**UN proper shipping name** : Not applicable

**Transport hazard class(es)** : Not applicable

**Packing group** : Not applicable

**Environmental hazards** : Not applicable

**Special precautions for user** : Not applicable

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** : Not applicable

## Section 15. Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture** : Not applicable

**Chemical safety assessment** : Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

Product name	: PERESEAL® FR	Version	: 1.6
Date of issue / Date of revision	: 15/05/2025	Page	: 7 of 17
Date of previous issue	: 20/05/2020		

## Section 16. Other Information

### History

**Date of printing** : 15/05/2025  
**Date of issue / Date of revision** : 15/05/2025  
**Date of previous issue** : 20/05/2020  
**Version** : 1.6  
**Prepared by** : Technical department  
**Key to abbreviations** : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 UN = United Nations

**References** : Not available

**Sources for data** : Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2015-07-01. Where such data was lacking, on the second hand the documentation on which this official classification is based was used, e.g. IUCLID (International Uniform Chemical Information Database). On the third hand, information was used from reputable international chemical suppliers, and on the fourth hand from other available information, e.g. safety data sheets from other suppliers or information from non-profit associations, whereby the reliability of the source was judged by an expert. If, in spite of this, reliable information was not found, the hazards were judged by expert opinions based on the known properties of similar substances, and according to the principles in 1907/2006 and 1272/2008.

**Warning for misuse** : This product is not expected to cause severe harm to humans or the environment. However, the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

# SDS

(Safety Data Sheet)

Product name	: PERESEAL <sup>®</sup> FR	Version	: 1.6
Date of issue / Date of revision	: 15/05/2025	Page	: 8 of 17
Date of previous issue	: 20/05/2020		

## Notice to reader

Unless otherwise specified in section 1, PFE Technologies Pte Ltd products are intended for industrial application only. They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Keep out of the reach of children.

## Further Information

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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

®,\*, and TM indicate trademarks owned by PFE Technologies Pte Ltd.