



## Material Safety Data Sheet

Version No: 1037/101/version3

Date: 14<sup>th</sup> January 2015

Supersedes: 13<sup>th</sup> November 2013

**PRODUCT NAME:** PES-CHEM 553 FR MEMBRANE  
**MANUFACTURER:** Polymeric Engineered Solutions  
5401 Hwy 21 West  
Bryan, TX 777803  
**TELEPHONE NUMBER:** (979)779-8700  
**EMAIL:** pes1@pes-solutions.com

**EMERGENCY TELEPHONE NUMBER: 800-424-9300**

THIS PRODUCT IS A KIT AND SUPPLIED AS A MULTI PART PRODUCT WHICH CONSISTS OF A BASE COMPONENT AND ACTIVATOR COMPONENT. THIS DOCUMENT CONTAINS THE MSDS FOR BOTH BASE AND ACTIVATOR COMPONENTS.

*DISCLAIMER: The information supplied in the MSDS is correct at the time of writing and date of issue. No warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for particular purpose or course of performance or usage of trade. The user of the material is responsible for ensuring the suitability of this product for application.*

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Version No: 1037/101/version3

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Supersedes: 13<sup>th</sup> November 2013

## SECTION 1: Identification of Substance/ Preparation and Company

- 1.1 **Product identifier**  
**PES-CHEM 553 FR MEMBRANE**
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**  
Water based single component acrylic paint
- 1.3 **Details of the supplier of the safety data sheet**  
Polymeric Engineered Solutions  
5401 Hwy 21 West, Bryan, TX 777803  
(979)779-8700
- 1.4 **Emergency telephone number**  
**800-424-9300**

## SECTION 2: Hazards Identification

- 2.1 **Classification of the substance or mixture**  
Classification in accordance with the Dangerous Preparations Directive 1999/45/EC  
Skin Sensitizer: Category 1A
- 2.2 **Label elements**  
Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

Pictograms:



Signal Word: **WARNING**

Precautionary statements: P202: Do not handle until all safety precautions have been read and understood.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a doctor

- 2.3 **Other hazards**  
None

## SECTION 3: Composition/ Information on Ingredients

- 3.1 **Substances**  
Not applicable, product is a mixture.

Version No: 1037/101/version3

Date: 14<sup>th</sup> January 2015

Supersedes: 13<sup>th</sup> November 2013

### 3.2 Mixtures

Contains the following hazardous components above thresholds of concern:

Hazardous Components	Cas Number	%	Classification according to Regulation (EC) No 1272/2008	Classification according to Directive 67/548/EEC
Non Hazardous Materials		80-90%	N/A	N/A
Zinc Phosphate	7779-90-0	1-10%	N/A	N/A

See section 16 for full description of R phrases and H statements.

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

*Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion*

**Eye:** Flush eyes with plenty of running water for 15 minutes, whilst gently holding the eyelids open. If signs/symptoms persist seek medical attention.

**Skin:** Remove product and contaminated clothing and wash area with water, seek medical advice.

**Ingestion:** Drink plenty of water, DO NOT INDUCE VOMITING. If you feel unwell get medical attention

**Inhalation:** Remove patient to fresh air. Seek medical advice.

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

*Eye Contact:* Sign/ Symptoms Contact with eyes during product use is not expected to result in significant irritation

*Skin Contact:* Sign/ Symptoms Contact with the skin during product use is not expected to result in significant irritation.

*Inhalation:* Sign/ Symptoms This product may have a characteristic odour, however no adverse health effects are anticipated.

*Ingestion:* Signs/ Symptoms may include

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

Symptomatic treatment as required

## SECTION 5: Fire Fighting Measures

### 5.1 Extinguishing media

Ignition will give rise to class B Fire, in case of fire use Water sprays, Dry chemical, CO2 or Alcohol foam

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

May generate toxic, irritating or flammable combustion products, including nitrogen oxides. Combustion in an oxygen starved environment produces toxic products including nitriles and amides. Sudden reaction and fire may result if mixed with an oxidizing agent.

Version No: 1037/101/version3

Date: 14<sup>th</sup> January 2015

Supersedes: 13<sup>th</sup> November 2013

**5.3 Advice for fire fighters**

Wear Self-contained breathing apparatus, rubber boots, gloves and body suit

**SECTION 6: Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Remove all unnecessary personnel from the area. Ventilate the area if possible. Wear suitable protective clothing including chemical resistant gloves and coveralls. If vapour concentrations are high, respiratory protective equipment may be required. See section 8 for more information.

**6.2 Environmental precautions**

Prevent entry into sewers and watercourses. If product enters sewers or watercourses, inform the appropriate environmental authorities.

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

Scrape up and transfer into a suitable container. Wash area with water.

**6.4 References to other sections**

Refer to section 5, 8 and 13 for protective Measures and Disposal.

**SECTION 7: Handling and Storage**

**7.1 Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Handle in well ventilated area. Wash hands after contact.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a cool, well ventilated area.

**7.3 Specific end uses(s)**

No industrial or sector specific guidance available.

**SECTION 8: Exposure Controls/ Personal Protection**

**8.1 Control parameters**

No data available

**8.2 Exposure controls**

**Engineering controls**

Adequate ventilation should be provided.

**Respiratory:**

Self-contained breathing apparatus must be available in case of emergency

**Hand Protection**

Impermeable gloves

**Skin Protection:**

Avoid Skin Contact; use disposable coveralls

**Eye Protection:**

Avoid Eye Contact; use safety goggles meeting the requirements of BS EN166 3, when handling this product

**Environmental Exposure controls** Take suitable measures to prevent entry into drains, sewers and watercourses.



Version No: 1037/101/version3

Date: 14<sup>th</sup> January 2015

Supersedes: 13<sup>th</sup> November 2013

**SECTION 9: Physical/ Chemical Properties**

**9.1 Information on basic physical and chemical properties**

**Appearance:** White Viscous liquid  
**Odour:** Characteristic  
**Density:** 1.25g/ml

**9.2 Other information**

None.

**SECTION 10: Stability And Reactivity**

**10.1 Reactivity**

Not considered to be a reactive product

**10.2 Chemical stability**

Stable

**10.3 Possibility of hazardous reactions**

Hazardous Polymerisation is not likely to occur.

**10.4 Conditions to avoid**

Excessive heat.

**10.5 Incompatible materials**

Oxidising agents – cleaning solutions. Acids.

**10.6 Hazardous decomposition products**

In combustion emits toxic.

**SECTION 11: Toxicological Information**

**11.1 Information on toxicological effects**

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

Sensitization	Hazardous calculated ROUTE DRM
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**SECTION 12: Ecological Information**

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.



Version No: 1037/101/version3

Date: 14<sup>th</sup> January 2015

Supersedes: 13<sup>th</sup> November 2013

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

Readily absorbed into soil

**12.5 Results of PBT and vPvB assessment**

None of the components are known to be PBT or vPvB.

**12.6 Other adverse effects**

None known.

**SECTION 13: Disposal Considerations**

**13.1 Waste treatment methods**

In uncured state, dispose as chemical waste in accordance with local regulations. Waste from this product may present long term environmental hazards. Thus landfill sites must be considered less acceptable than incineration. In cured state when mixed correctly with the base component, dispose as solid waste. Empty containers should be disposed of as chemical waste.

**SECTION 14: Transport Information**

**General:** Transport and labelling requirements will alter depending on the size of the packaging. Please refer to local transport regulations.

	ADR	IMDG	ICAO
14.1 UN Number	Classed as non-hazardous	Classed as non-hazardous	Classed as non-hazardous
14.2 UN Proper shipping name			
14.3 Transport hazard class(es)			
14.4 Packing group			
14.5 Environmental hazards			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable

Version No: 1037/101/version3

Date: 14<sup>th</sup> January 2015

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## **SECTION 15: Regulatory Information**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

All components are listed as existing substances in Europe

All components are listed, or are exempt from listing on the TCSA Inventory

### **15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

## **SECTION 16: Other Information**

### **Revision information:**

Reformatted in accordance with Regulation 453/2010 and Regulation 1272/2008.

### **List of Abbreviations used in this SDS:**

CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD	Dangerous Substances Directive 67/548/EEC
DPD	Dangerous Preparations Directive 1999/45/EC
EC	European Community/Commission
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB	very Persistent, very Bioaccumulative

### **References:**

ECHA Classification and Labelling inventory

ECHA database of disseminated registration dossiers

Supplier's Safety Data Sheets

### **Method used for classification of mixtures:**

Ingredient based approaches

### **P Phrases and H Statements used in Section 3**

P202: Do not handle until all safety precautions have been read and understood.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a doctor

### **Training requirements for workers**

No special training requirements.