

**SAFETY DATA SHEET**

(in accordance with Regulation (EU) 2015/830)

**WONDERFLEX****Version: 1**  
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**Print date: 19/10/2018****SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.****1.1 Product identifier.**Product Name: **WONDERFLEX®****1.2 Relevant identified uses of the mixture and uses advised against.**

Stiffener

**1.3 Details of the supplier of the safety data sheet.****WONDERFLEX WORLD**  
Brentwood NH United States  
603-778-0190  
info@wonderflexworld.com**1.4 Emergency telephone number:** 0034 93 3002424 (Only available during office hours; Monday-Friday; 08:00-18:00)**SECTION 2: HAZARDS IDENTIFICATION.****2.1 Classification of the mixture.**

None in solid form . The product is not classified as hazardous within the meaning of Regulation (EU) No 1272/2008.

**2.2 Label elements.**

The preparation is not classified as hazardous according to the Regulation on classification, packing and labelling of hazardous preparations.

**2.3 Other hazards.**

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.**

Extruded film of a polyesters mixture.

This mixture does not contain substances that pose a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, are not assigned a Community exposure limit in the workplace, and are not classified as PBT/vPvB or included in the Candidate List.

**SECTION 4: FIRST AID MEASURES.****4.1 Description of first aid measures.**

Due to the composition and type of the substances present in the product, no particular warnings are necessary.

**Inhalation.**

Not concerned.

**Eye contact.**

Not concerned.

**Skin contact.**

Not concerned.

**Ingestion.**

Not concerned.

**4.2 Most important symptoms and effects, both acute and delayed.**

No known acute or delayed effects from exposure to the product.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## SECTION 5: FIREFIGHTING MEASURES.

### 5.1 Extinguishing media.

#### Recommended extinguishing methods.

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

### 5.2 Special hazards arising from the mixture.

#### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

#### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

## SECTION 6: ACCIDENTAL RELEASE MEASURES.

### 6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

### 6.3 Methods and material for containment and cleaning up.

The contaminated area should be immediately cleaned with an appropriate de-contaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

## SECTION 7: HANDLING AND STORAGE.

### 7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended:

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

### 7.2 Conditions for safe storage, including any incompatibilities.

The product does not require special storage measures.

As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided.

Keep away from oxidising agents and from highly acidic or alkaline materials.

Store the containers between 5 and 35° C, in a dry and well-ventilated place.

Store according to local legislation. Observe indications on the label.

The product is not affected by Directive 2012/18/EU (SEVESO III).

### 7.3 Specific end use(s).

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

#### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

#### 8.2 Exposure controls.

##### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<b>Concentration:</b>	100 %
<b>Uses:</b>	Stiffeners for shoes.
<b>Breathing protection:</b>	
If the recommended technical measures are observed, no individual protection equipment is necessary.	
<b>Hand protection:</b>	
Avoid contact with melted product. Protective gloves are recommended.	
<b>Eye protection:</b>	
Protective goggles are recommended.	
<b>Skin protection:</b>	
Avoid contact with melted product.	

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

#### 9.1 Information on basic physical and chemical properties.

Appearance: Sheets, solid form.

Colour: White

Odour: N.A./N.A.

pH: N.A./N.A.

Melting point: 60°C

Boiling Point: N.A./N.A.

Flash point: N.A./N.A.

Vapour pressure: N.A./N.A.

Relative density: N.A./N.A.

Hydrosolubility: Insoluble

Viscosity: N.A./N.A.

### SECTION 10: STABILITY AND REACTIVITY.

#### 10.1 Reactivity.

The product does not present hazards by their reactivity.

#### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

#### 10.4 Conditions to avoid.

Avoid any improper handling.

#### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

#### 10.6 Hazardous decomposition products.

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION.

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## a) acute toxicity;

Assessment of acute toxicity: Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

Experimental/calculated data: LD50 rat (oral): > 5,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## b) skin corrosion/irritation;

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## c) Respiratory/Skin sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect.

## d) Germ cell mutagenicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

## e) Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

## f) Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

## g) Developmental toxicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect.

## h) Specific target organ toxicity (single exposure)

Assessment of STOT single: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

## i) Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity: Repeated dermal uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated oral uptake of the substance did not cause substance-related effects.

## j) Aspiration hazard

No aspiration hazard expected.

**SECTION 12: ECOLOGICAL INFORMATION.****12.1 Toxicity.**

Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms.

**12.2 Persistence and degradability.**

Assessment biodegradation and elimination (H<sub>2</sub>O): Poorly biodegradable.

Elimination information: Poorly biodegradable..

**12.3 Bioaccumulative potential.**

Assessment bioaccumulation potential: Does not significantly accumulate in organisms.

**12.4 Mobility in soil.**

Assessment transport between environmental compartments: Adsorption in soil: Due to the product characteristics the test is impossible.

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According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria.

**12.6 Other adverse effects.**

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

**12.7. Additional information**

Adsorbable organically-bound halogen (AOX): This product contains no organically-bound halogen

**SECTION 13 DISPOSAL CONSIDERATIONS.****13.1 Waste treatment methods.**

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

**SECTION 14: TRANSPORT INFORMATION.**

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

**14.1 UN number.**

Transportation is not dangerous.

**14.2 UN proper shipping name.**

Transportation is not dangerous.

**14.3 Transport hazard class(es).**

Transportation is not dangerous.

**14.4 Packing group.**

Transportation is not dangerous.

**14.5 Environmental hazards.**

Transportation is not dangerous.

**14.6 Special precautions for user.**

Transportation is not dangerous.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code.**

Transportation is not dangerous.

**SECTION 15: REGULATORY INFORMATION.****15.1 Safety, health and environmental regulations/legislation specific for the mixture.**

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

**15.2 Chemical safety assessment.**

There has been no evaluation a chemical safety assessment of the product.

**SECTION 16: OTHER INFORMATION.**

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It is recommended that the product only be employed for the purposes advised.

## Abbreviations and acronyms used:

CEN: European Committee for Standardization.

PPE: Personal protection equipment.

## Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html><http://echa.europa.eu/>

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.

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