

# BLUPOLYMER<sup>®</sup>

## BLU AG

PRODUCT INFORMATION SHEET



Safety Data Sheets (SDS) are only required for substances and mixtures classified as hazardous to health or the environment, or for a physical hazard. Since this product is a non-hazardous mixture there is no obligation to draw up an SDS as required by art. 31 of EU Regulation 1907/2006 (REACH). However, it is considered appropriate to provide the following information

on a voluntary basis and without any legal obligation, using for this purpose the 16-point layout of an SDS, with the purpose of ensuring correct use of the product, in accordance with article 32 of the REACH Regulation. However, certain sub-paragraphs are not included below as they are not relevant.

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## 1\_ IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND THE COMPANY / BUSINESS

<p><b>1.1</b>                    <b>Product identifier / Trade names / Synonyms</b></p>	<p><b>Blupolymer® Blu AG</b></p> <p style="text-align: right; border: 1px solid black; border-radius: 50%; padding: 2px;">PAT. PEND.</p>
<p><b>1.2</b>                    <b>Product uses</b></p>	<p>Different processing technologies in accordance with UN10667-16 standard.</p>
<p><b>1.3</b>                    <b>Information on the supplier of the voluntary product fact sheet</b></p> <p style="text-align: right;">Competent person email</p>	<p>I.BLU S.R.L. Via Basaldella 86, 33037 PASIAN DI PRATO (UD) T. +39 0432 691674 The product is made and distributed by the factory in Costa di Rovigo (RO) 45023 Via Matteotti, 1160 T. +39 0425 497548</p> <p>info@iblu.it</p>
<p><b>1.4</b>                    <b>Numero telefonico di emergenza</b></p>	<p>T. +39 0425 497548 (office hours)</p>

## 2\_ IDENTIFICATION OF HAZARDS

<p><b>2.1</b>                    <b>Classifications of the substance or mixture</b> Classifications according to Regulation 1272/2008/EC</p>	<p>The product is not classified as dangerous pursuant to Regulation no. 1272/2008/EC and subsequent amendments and adaptations.</p>
<p><b>2.2</b>                    <b>Label details</b> Hazard symbols</p>	<p><b>None:</b> the product is not classified as dangerous pursuant to Regulation no. 1272/2008/EC and subsequent amendments and adaptations.</p>
<p><b>2.3</b>                    <b>Other hazards</b> Other hazards</p>	<p>Based on the available data, the product does not contain PBT or vPvB substances in percentages greater than 0.1%.</p>

### 3\_ COMPOSITION / INFORMATION ABOUT INGREDIENTS

<p><b>3.1</b>                      <b>Substance</b></p>	<p>Not relevant.</p>
<p><b>3.2</b>                      <b>Mixture</b></p>	<p>Main polymers: polyethylene (C<sub>2</sub>H<sub>4</sub>)<sub>n</sub>, polypropylene (C<sub>3</sub>H<sub>6</sub>)<sub>n</sub>.</p>

### 4\_ FIRST AID MEASURES

<p><b>4.1</b>                      <b>Description of first aid measures</b></p> <p>Inhalation</p> <p>Skin contact</p> <p>Eye contact</p> <p>Ingestion</p>	<p><b>Unlikely, in the form in which the product is sold.</b> Inhalation of fine particles and/or fumes produced during the production process could cause respiratory irritation. In this case, remove the person from the contaminated area; if the disorder persists, consult a doctor immediately. In case of accidental exposure to fumes, bring the person to the open air as soon as possible, keep them seated, loosen their clothes and, if problems of poor breathing persist, seek medical attention.</p> <p><b>The product is not normally irritating to the skin. In case of allergy or irritation wash the affected part with soap and water.</b> Exposure to spraying of the hot product: quickly cool the burned part with cold water (by immersion or spraying), do not attempt to remove the layer of product from the skin, nor attempt to remove dirty clothes. It usually detaches itself after a few days. In case of serious burns, transport the injured person to hospital.</p> <p><b>Unlikely, in the form in which the product is sold.</b> In case of fine dust formation, the product particles entering the eye cavities can cause irritation and must be removed like any other foreign body: wash with plenty of water keeping the eyelids wide open; do not rub the eyes. If irritation persists, seek medical attention.</p> <p><b>Unlikely, given the way the product is sold.</b> If dust is swallowed: consult a doctor and show them this product fact sheet.</p>
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## 5\_ FIRE PREVENTION MEASURES

<p><b>5.1 Extinguishing methods</b> Suitable extinguishing methods</p> <p>Unsuitable extinguishing methods</p>	<p><b>Small fires:</b> Use dry chemical agents, CO<sub>2</sub> or water spray. <b>Large fires:</b> Use hoses with water sprayed from a safe place.</p> <p><b>Not known</b></p>
<p><b>5.2 Special hazards arising from the substance or mixture</b></p>	<p>The mixture is combustible and in case of fire produces products of the combustion of hydrocarbons (carbon monoxide, carbon dioxide and water), in the form of dense, toxic, hypoxic and irritating fumes.</p>
<p><b>5.2 Recommendations for firefighters for extinguishing fires</b></p>	<p>If necessary, wear respiratory protective devices with independent air intake in case of fire.</p> <p>In case of widespread fire, cool with plenty of sprayed water. Use suitable heat protection.</p>

## 6\_ MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

<p><b>6.1 Personal precautions, protective equipment and procedures in case of emergency</b> For those not intervening directly</p> <p>For those intervening directly</p>	<p>Keep unprotected people away. Wear gloves and protective clothing / protect your eyes / face. Evacuate personnel to safe areas. Ensure adequate ventilation.</p> <p>Wear protective equipment.</p>
<p><b>6.2 Environmental precautions</b></p>	<p>Avoid spillage or supplementary leakage if this can be done safely. Do not allow the product to reach the drains or any water courses.</p>
<p><b>6.3 Methods and materials for containment and cleaning up</b></p>	<p>Product scattered on the floor can pose a risk of slipping on smooth surfaces: collect the spilled product by mechanical means or suction. The product collected may be stored in separate labelled containers intended for recycling, or else consult specialised personnel for disposal in accordance with local and/or national regulations in force.</p>
<p><b>6.4 References to other sections</b></p>	<p>See section 8 for personal protective equipment (PPE). For disposal, refer to Section 13.</p>

## 7\_ HANDLING AND STORAGE

### 7.1 Precautions for safe handling

During processing of the mixture, avoid inhalation of fumes and vapours, ensuring adequate air exchange. Wear work clothing and PPE (gloves, goggles and use FFP2 filter mask).

Avoid dust formation and deposition. In presence of the same, where required by the classification of areas at risk of explosive atmospheres due to the presence of dust, appropriate electrical and non-electrical equipment is necessary. Where required by the assessment, tools must be spark-proof. All equipment must be properly connected to earth to dissipate static electricity accumulation. According to general hygiene rules, do not consume food or drink in the work area and wash your hands often.

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

The product must be stored in cool, dry, ventilated environments and away from heat sources, sparks and easily flammable material. In order to avoid collapses and dropping of packaging, pallets should not be stacked. In storage areas do not smoke or produce flames. Avoid dust build-up. Keep the workplace in good order and clean. Regardless of the intrinsic properties of the product, storage in the presence of humidity, strong sunlight and high temperatures can cause a change in its technical characteristics.

## 8\_ EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters Components with exposure limits

The product as sold does not release emissions into the environment. In case of dust formation:  
Component: Particulates not otherwise regulated (Total Dust)  
Source: ACGIH  
TLV-8h TWA: 10 mg/m<sup>3</sup> (inhalable dust)  
TLV-8h TWA: 3 mg/m<sup>3</sup> (respirable dust)  
Target organs: eyes, skin and respiratory irritation Source: OSHA PEL  
TWA 15 mg/m<sup>3</sup>  
Target organs: pulmonary diseases.

### 8.2 Exposure controls Environmental exposure controls

Adequate extraction of fumes – steam - dust must be available in the areas used for processing the preparation and adequate air exchange must be ensured.

Eye or facial protection

Safety glasses conforming to EN166. Do not wear contact lenses. An individual eyewash facility is also suggested.

Skin protection

Not needed for normal use. For thermal processing use protective gloves resistant to chemicals and/or high temperatures.

<p>Body protection</p>	<p>Not needed for normal use.</p>
<p>Respiratory protection</p>	<p>Not needed for normal use. For thermal processing use FFP2 filter mask (ref. Standards EN141 / EN143). The use of respiratory protective equipment is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values allowed for. Note that masks can only provide limited protection.</p>
<p>Environmental exposure controls</p>	<p>Emissions from production processes, including those from ventilation equipment, should be checked for compliance with legislation on environmental protection.</p> <p>Do not empty into drains.</p>

## 9\_ PHYSICAL AND CHEMICAL PROPERTIES

<p><b>9.1</b></p> <p><b>Information on basic physical and chemical properties</b></p>	
<p>Form and colour</p>	<p><b>Multi-colour in flakes</b></p>
<p>Odour</p>	<p>Mild</p>
<p>Apparent density</p>	<p><b>&gt; 250 Kg/m<sup>3</sup></b></p>
<p>Solubility (water)</p>	<p>Insoluble</p>

## 10\_ STABILITY AND REACTIVITY

10.1	<b>Reactivity</b>	Non-reactive.
10.2	<b>Chemical stability</b>	The product is stable under normal conditions of use and storage.
10.3	<b>Possibility of hazardous reactions</b>	Under normal conditions of use and storage, hazardous reactions do not occur.
10.4	<b>Conditions to avoid</b>	Heat sources. Electrostatic charge build-up.
10.5	<b>Incompatible materials</b>	None known.
10.6	<b>Hazardous decomposition products</b>	Hazardous decomposition products may develop in the event of a fire.

## 11\_ TOXICOLOGICAL INFORMATION

11.1	<b>Information about toxicological effects</b>	
	Acute toxicity by skin contact	<b>The product is not toxic to the skin.</b>
	Acute toxicity (inhalation)	<b>The product is not toxic by inhalation.</b> At high temperatures, fumes and vapours that develop can be irritating to the respiratory tract. Dust can also cause airway irritation.
	Acute toxicity (ingestion)	<b>Non-toxic.</b>
	Skin/eye irritation	<b>Unlikely in the form in which the product is sold.</b> Dust may cause mechanical irritation if it comes into contact with the eye passages. Contact with the molten product may cause burns which should be treated according to medical practice.



## 12\_ ECOLOGICAL INFORMATION

<p><b>12.1</b></p> <p><b>Toxicity</b></p>	<p><b>The product as sold is not toxic to aquatic organisms:</b> the product consists of polymers of high molecular weight, practically inert from the biological point of view and considered non-ecotoxic. Being a solid and insoluble product, it is not to be considered toxic in water. Use in accordance with best working practices, avoiding dispersion of the product into the environment.</p>
<p><b>12.2</b></p> <p><b>Persistence and degradability</b></p>	<p><b>Volatility:</b> low, evaporation of the product in air is close to zero.  <b>Biodegradability:</b> may be persistent in the environment and is difficultly biodegradable. <b>UV degradability:</b> existent but with very low values.</p>

## 13\_ CONSIDERATIONS FOR DISPOSAL

<p><b>13.1</b></p> <p><b>Waste treatment methods</b></p> <p>Product</p> <p>Containers</p>	<p>Wastes and residues of this product must be disposed of in accordance with current legislation. If possible, collect the product.</p> <p>Empty containers must be scrapped or reconditioned.          Dispose of containers in accordance with local or national regulatory requirements.</p>
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## 14\_ INFORMATION ABOUT TRANSPORT

	<p>The product is not subject to rules on the carriage of dangerous goods          In the interests of transport safety, ensure that the load is properly secured to the transport vehicle.</p>
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## 15\_ REGULATORY INFORMATION

<p><b>15.1</b></p> <p><b>Specific safety, health and environmental regulations/legislation for the substance or mixture</b></p> <p>Specific legislation</p>	<p>Authorisations The product does not contain any controlled substances (REACH Annex XIV).</p> <p>SVHC List The product does not contain any substances on the list of Substances of Very High Concern (SVHC) in accordance with article 59 of the REACH Regulation.</p> <p>Restrictions on use None.</p> <p>Seveso III Category Directive 2012/18/EU None.</p> <p>Substances subject to export notification obligation Reg. (EC) 649/2012 None.</p> <p>Substances subject to the Rotterdam Convention None.</p>
<p><b>15.2</b></p> <p><b>Chemical safety assessment</b></p>	<p>A chemical safety assessment has not been carried out for this product.</p>

## 16\_ ADDITIONAL INFORMATION

<p><b>16.1</b></p> <p><b>Revision of 07/01/2020</b></p> <p><b>General information about the preparation of this document</b></p>	<p>Sections amended: section 3.2.</p> <p>Safety data sheets (SDS) are only required for substances and mixtures falling within the harmonised criteria concerning a physical, health or environmental hazard. This product is not classified and does not fall under these criteria, and therefore the safety data sheet in accordance with 830/2015/EC is not necessary.</p> <p>Instead, this Product Fact Sheet is provided, on a voluntary basis and without any legal obligation, for the communication of relevant health, safety and environmental information.</p> <p>The information contained in this data sheet is based on the best knowledge available to our Company. References to the risks associated with using the product and about its intrinsic characteristics, as well as to legislation and bibliographic sources, cannot be considered exhaustive. The user must assess any additional risk that may derive from the methods and conditions of use for the product.</p>
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## PRODUCT CERTIFICATES



## PROCESS CERTIFICATES



## ASSOCIATED COMPANY



Istituto per la Promozione  
delle Plastiche da Riciclo



## TECHNICAL NOTES AND DISCLAIMER

The informations provided in this document represent typical, average values which may be subject to fluctuations and do not exempt the customer from accurately verifying the compliance within its own processing cycle. It is the customer's responsibility to carry out all the necessary technical and legal tests to establish their compliance. In any case I.BLU Srl does not take any liability for the uses that purchaser as well as the end users (or other third parties) intends to make out of the material; therefore I.BLU Srl does not warrant any particular destination use for the material or any specific characteristic/quality that makes it suitable for the uses which the customer intends to do with it. The product shall only be used in compliance with the requirements of law and of technical standard UNI 10667-16. I.BLU Srl denies any responsibility for product which has been altered or modified; which has been subjected to unusual stress, to abuse, to accident, to forces or exposure beyond normal use or beyond the normal operational or environmental parameters, or which has been subjected to integration, combination or connection with other products, stuff and/or energies. In no event shall I.BLU Srl be liable for indirect damages, including but not limited to loss of profits or revenues, loss of business, damages to third parties, cost of capital, cost of substitute product or equipment.

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