

## PE LASER MARKING 04432

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

- 1.1. Identification of the substance or preparation**  
**Product code:** 5104432  
**Identification of the product:** PE LASER MARKING 04432
- 1.2. Use of the substance/preparation**  
Manufacture of plastics products
- 1.3. Company/undertaking identification**  
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via Mantova, 2 - 21049 Tradate (VA) - ITALY  
telefono: +39 0331 687.1  
fax: +39 0331 687.541 +39 0331 687.542  
e-mail: Viba@vibagroup.com
- 1.4. Emergency telephone number (8:30-17:00)**  
+39 0331 6871

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture**  
Classification according to Regulation (EC) No 1272/2008 [CLP] :  
The product is not harmful.  
**H-phrases:**  
-  
**P-phrases:**  
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- 2.2. Label elements**  
The product does not require a hazard warning label in accordance with CLP criteria
- 2.3. Other hazards**  
Not classified PBT or vPvB.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. Chemical characterization**  
Preparation based on: Polyolefinic Polymer  
Contains: pigments and/or additives
- 3.2. Dangerous components**  
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### SECTION 4: FIRST AID MEASURES

- 4.1. Description of first aid measures**
- 4.1.1. Inhalation**  
In case of exposure and inhalation of vapours generated at high temperatures, immediately remove the injured person to fresh air. If not breathing, give artificial respiration and call the physician.
- 4.1.2. Ingestion**  
Considered to be practically non-toxic.
- 4.1.3. Skin contact**  
Wash thoroughly with soap and water. In case of body contact with warm product, immediately put into cold water the injured part and call the physician.
- 4.1.4. Eye contact**  
Rinse immediately with water for at least 15 minutes.
- 4.2. Most important symptoms and effects, both acute and delayed**  
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- 4.3. Indication of any immediate medical attention and special treatment needed**  
None.

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### SECTION 5: FIRE FIGHTING MEASURES

**5.1.a. Suitable extinguishing media**

Water, CO<sub>2</sub>, foam.

**5.1.b. Extinguishing media which shall not be used for safety reasons**

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**5.2. Specific hazards**

Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapours. Protect respiratory system. Eliminate water used for extinguishing in accordance to local regulations.

**5.3. Special protective equipment for firefighters**

Use full protective clothing for chemicals and self-contained breathing apparatus.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions**

Usual precautionary measures when handling chemicals must be respected.

**6.2. Environmental precautions**

Prevent contamination of soil, drains and surface waters. Inform authorities in case material reaches sewages or rivers.

**6.3. Methods for cleaning up**

Take up mechanically and dispose in accordance with local regulations.

### SECTION 7: HANDLING AND STORAGE

**7.1. Handling**

Handle and open the containers with care. See also 10.1 of the present safety data sheet.

**7.2. Storage**

Keep away from heat sources. Store in the original container accurately closed, at room temperature and keep away from humidity.

**7.3. Specific use(s)**

Not applicable

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1. Control parameters**

Product in granular form (not very soluble or insoluble).

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

Minimize the generation of airborne dust, use of facilities and systems engineering controls to contain any dust generated during processing of the product.

**8.2.2. Individual protection measures, such as personal protective equipment**

Observe the usual precautionary measures for handling chemicals. The wearing of closed work clothing.

**a) Eye / faceprotection**

Safety glasses with side-shields (frame goggles) (e.g. EN 166).

**b) Skin protection**

Chemical resistant protective gloves (EN 374) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.

**c) Respiratory protection**

in case of vapour/aerosol release usage of particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2).

**d) Thermal hazards**

Due to temperature it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

**8.2.3. Environmental exposure controls**

Dispose of waste in accordance with local and national regulations.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical state:</b>	Granule	<b>Colour:</b>	Colourless
<b>Odour:</b>	odourless	<b>pH value:</b>	not applicable
<b>Boiling point/boiling range:</b>	°C not applicable	<b>Flash point:</b>	°C not applicable
<b>Vapour pressure:</b>	KPA not applicable	<b>Water solubility:</b>	insoluble
<b>Lipid solubility:</b>	not applicable	<b>Partition coefficient: n-octanol/water:</b>	not determined
<b>Viscosity:</b>	cSt not applicable	<b>Vapour density:</b>	KPA not applicable
<b>Evaporation rate:</b>	not applicable		

#### 9.2. Other information

<b>Flammability:</b>	°C not applicable	<b>Explosive limits:</b>	Vol % not applicable
<b>Melting point / softening point:</b>	°C 100-140	<b>Decomposition temperature:</b>	-
<b>Density:</b>	g/cc not determined	<b>Relative density:</b>	g/cc 0,6 - 1,2

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No specific reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stable under normal temperature conditions and used in accordance with the recommendations of Use.

#### 10.3. Possibility of hazardous reactions

not applicable

#### 10.4. Conditions to avoid

Keep away from heat sources.

#### 10.5. Materials to avoid

None.

#### 10.6. Hazardous decomposition products

None if the product is used in compliance with the correct usage procedures.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

In solid granule form the product can't be tested on animals. When the product is used following the instructions, no harmful consequences have been registered yet.

##### Toxicity data related to most significant substance contained in the product:

a) Acute toxicity: (LD-50)	> 10000 mg/kg
b) Irritation:	not irritant
c) Corrosivity:	not irritant

##### Mixture

a) Sensitisation:	not sensitizing.
b) Repeated dose toxicity:	not applicable.
c) Carcinogenicity:	not applicable.
d) Mutagenicity:	not applicable.
e) Toxicity for reproduction:	not applicable.

##### f) Information on likely routes of exposure:

- inhalation:	there were no serious effects.
- ingestion (swallowing):	the amount ingested by accident not likely to cause harmful effects.
- skin exposure:	there were no serious effects.
- eye exposure:	there were no serious effects.

##### g) Other information:

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# MATERIAL SAFETY DATA SHEET

Conforms to Regulation (EC) No. 453/2010, Annex I - Europe

Release 3.2b

Date 11.06.2015

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### SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity**  
We dispose of no data because of the insolubility of the product. Mechanical separation is only possible in purification plants.
- 12.2. Persistence and degradability**  
The product is made from non-biodegradable compounds.
- 12.3. Bioaccumulative potential**  
Not applicable.
- 12.4. Mobility in soil**  
Not relevant.
- 12.5. Results of PBT and vPvB assessment**  
Not classified.
- 12.6. Other adverse effects**  
None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods**  
Where possible recycling is preferred to disposal. They can be disposed of in accordance with local regulations.

### SECTION 14: TRANSPORT INFORMATION

- |                                     |      |
|-------------------------------------|------|
| <b>ADR (road) / RID (rail)</b>      | None |
| <b>IMDG (sea)</b>                   | None |
| <b>ICAO / IATA (air)</b>            | None |
| <b>Other applicable information</b> | -    |
- 14.1. UN number**  
-
- 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**  
Not applicable
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not applicable

### SECTION 15: REGULATORY INFORMATION

- 15.1. Standards legislation on health and safety legislation specific for the substance or mixture**  
EU regulations:  
Regulation (EC) No.1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)  
and amendments.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.  
Authorisations and/or restrictions on use:



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**Permissions:**

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**Restrictions on use:**

-

**Other EU regulations:**

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**15.2. Chemical Safety Assessment**

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

### SECTION 16: OTHER INFORMATION

**16.1. H phrases referred to SECTION 3**

**16.2. Date / Revised:**

11.06.2015

**Editor**

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**16.3. Remarks**

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