SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Mablex 4xx Standard BLACK

Further trade names
Mablex 459(F, HI, FB), 464(F), 466(F)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture
Manufacturing of plastic articles and goods including compounding and conversion, eventually recycling.

1.3. Details of the supplier of the safety data sheet
Company name: Ravago Distribution Center NV
Street: Moerenstraat 85 A
Place: B 2370 Arendonk
Telephone: +32 (0) 14672511 Telefax: +32 (0) 14672012
e-mail: sdsinfo@ravago.com
Internet: www.ravago.com

1.4. Emergency telephone number:
+32(0)14672511

Further Information
Type of use: Injection moulding, blow moulding, Extrusion, Compression moulding.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Regulation (EC) No. 1272/2008
This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements
Additional advice on labelling
For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

2.3. Other hazards
The hazards of this product are mainly associated with its processing
See section 11 for more detailed information on health effects and symptoms

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Chemical characterization
Thermoplastic polymer (PC/ABS)

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
First aider: Pay attention to self-protection!
Provide adequate ventilation.

After inhalation
Provide adequate ventilation.
In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.
Consult physician.

After contact with skin
The melted product can cause severe burns.
**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Ravago Distribution Center NV**

**Mablex 4xx Standard BLACK**

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Product code: 4xxSTANDBLACK

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Do not use force or solvents to remove product incrustations from affected skin areas. After contact with molten product, cool skin area rapidly with cold water. Consult physician.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Consult physician.

---

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

- **Suitable extinguishing media**
  - Water.
  - Foam.
  - Carbon dioxide (CO2).
  - Extinguishing powder.
  - Alcohol resistant foam.
  - Sand.

5.2. **Special hazards arising from the substance or mixture**

- Carbon dioxide.
- Carbon monoxide.
- Hydrocarbons.
- HF

5.3. **Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

---

**SECTION 6: Accidental release measures**

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

- High slip hazard because of leaking or spilled product. (Granulate)

6.2. **Environmental precautions**

- No special environmental protection measures are necessary.

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

- Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Do not empty into drains.

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**SECTION 7: Handling and storage**

7.1. **Precautions for safe handling**

- **Advice on safe handling**
  - Provide adequate ventilation. Equipment with built-in suction provisions.

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

- **Requirements for storage rooms and vessels**
  - Keep in a cool place.
  - Provide adequate ventilation.

- **Advice on storage compatibility**
  - Storage stability:
  - Storage temperature: < 40 °C unlimited durability.
  - No special precautionary measures are necessary.

---

**SECTION 8: Exposure controls/personal protection**

8.1. **Control parameters**

**Exposure limits (EH40)**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>-</td>
<td>3.5</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>7</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

8.2. **Exposure controls**
**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Mablex 4xx Standard BLACK  
Product code: 4xxSTAND_BLACK  
Revision date: 21.06.2019  
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### Protective and hygiene measures
- Provide adequate ventilation. Equipment with built-in suction provisions. When using do not eat, drink or smoke. Do not breathe dust.

### Eye/face protection
- Wear eye/face protection.

### Hand protection
- Wear suitable gloves.

### Skin protection
- Only wear fitting, comfortable and clean protective clothing. In case of increasing hazard add: heat-resistant synthetic fibres

### Respiratory protection
- Respiratory protection necessary at: In the case of the formation of dust. (half-mask with filter (DIN EN 149)).

### SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>solid (Granulate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>black</td>
</tr>
<tr>
<td>Odour:</td>
<td>odourless</td>
</tr>
</tbody>
</table>

**Test method**

**Changes in the physical state**
- Melting point: not applicable
- Flash point: not applicable

**Explosive properties**
- In the case of the formation of dust. Dust explosive.

**Oxidizing properties**
- not applicable

<table>
<thead>
<tr>
<th>Vapour pressure:</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density:</td>
<td>1,03-1,28 g/cm³</td>
</tr>
<tr>
<td>Water solubility:</td>
<td>insoluble</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

- point of decomposition: >250 °C
- Package density: 600-1000 kg/m³

### SECTION 10: Stability and reactivity

#### 10.6. Hazardous decomposition products
- Carbon dioxide. Carbon monoxide hydrocarbons.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Further information**
- When used and handled according to the specifications, this product does not have any harmful effects to human health according to our experience and the information available. Contact the manufacturer in case the material is to be used in special applications such as in contact with food or for hygiene, medical or surgical end-use.
### SECTION 12: Ecological information

12.1. Toxicity

- Insoluble in: Water.
- Due to the consistency along with the low water solubility of the product, bioavailability is unlikely.

### SECTION 13: Disposal considerations

13.1. Waste treatment methods

- **Advice on disposal**
  - Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.
  - Material recycling possible.
  - Refer to manufacturer or supplier for information on recovery or recycling.

### SECTION 14: Transport information

- **Land transport (ADR/RID)**
  - **14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.
  - **14.3. Transport hazard class(es):** none

- **Inland waterways transport (ADN)**
  - **14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.
  - **14.3. Transport hazard class(es):** none

- **Marine transport (IMDG)**
  - **14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.
  - **14.3. Transport hazard class(es):** none

- **Air transport (ICAO-TI/IATA-DGR)**
  - **14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.
  - **14.3. Transport hazard class(es):** none

### SECTION 15: Regulatory information

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

- **National regulatory information**
  - **Water contaminating class (D):** - - not water contaminating

### SECTION 16: Other information

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

This safety datasheet should be used in conjunction with technical datasheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility. Furthermore, this safety datasheet is made up based on the legal requirements as set by EC 1272/2008 based on information as is available per July 2017 (date of entry into
force). That information that is not yet filled in depends on the input we receive from our suppliers following the time scale as foreseen by EC 1272/2008 and depends solely on the registration of the concerned substances.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor’s safety data sheet.)