

# Material safety data sheet



## CENTROMID 6 E / PA 6 E

### Identification of the substance / preparation and company

|                             |  |
|-----------------------------|--|
| Commercial Product Name:    | CENTROMID 6 E  |
| Use:                        | Polymer  |
| Company:                    | Centroplast Engineering Plastics GmbH<br>Unterm Ohmberg 1<br>D-34431 Marsberg<br><br>Tel. +49 2992 9704 – 700<br>Fax +49 2992 9704 – 30<br>info@centroplast.de |
| Emergency telephone number: | Monday – Thursday: 08:00 am – 4:30 pm<br>Friday : 08:00 am – 2:00 pm<br><br>Tel. +49 2992 9704 – 700<br>Fax +49 2992 9704 – 30                                 |

### Hazards possibilities

|                              |   |
|------------------------------|---|
| Classification:              | Not classified  |
| Physical / chemical hazards: | Flammable   |
| Health risks:                | Dust can cause mechanical irritation.   |
| Hazards for the environment: | Based on our information, there is no danger to the environment.<br><br>The product is according to Directive 1999/45/EC and its annexes are not classified as dangerous. |

### Composition / information on ingredients

|                            |   |
|----------------------------|---|
| Chemical characterization: | Polyamide 6 E ( PA 6 E)   |
| Hazardous substances:      | Product contains no hazardous ingredients liable to be disclosed. |

### First aid measures

|                          |  |
|--------------------------|--|
| General information:     | The product is being classified as non-noxious.  |
| In case of inhalation:   | In case the plastic burns and combustion gases are inhaled, remove person to fresh air and keep warm and get medical help if necessary.  |
| In case of skin contact: | Burns caused by molten material on skin need to be rapidly cooled down with water; do not attempt removal of plastic without medical assistance. If irritation develops, seek medical attention. |
| In case of eye contact:  | Flush eyes well with copious quantities of water. Seek medical attention, if irritation persists.  |
| In case of ingestion:    | The product is non-noxious; no first aid procedures are required.  |

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### Fire fighting measures

|  |  |
|--|--|
| Suitable extinguishing media:  | Water, foam, gaseous and dry extinguishing media   |
| Particular endangerments by Fire fighting and hazardous Combustion products: | Hazardous combustion products may emerge, apart from harmless water (H <sub>2</sub> O); carbon dioxide (CO <sub>2</sub> ) and mainly carbon monoxide (CO) depending on the amount of available environmental oxygen, containing ketones and aldehyde. Formation of further decomposition and oxidation products depends upon the fire conditions. Under special fire conditions traces of other toxic substances are possible. |
| Fire fighting:   | Approved pressure demand breathing apparatus and protective clothing should be used for all fires.   |
| Additional information:  | Residues after the fire, after appropriate rules dispose.  |

### Accidental release measures

|                           |                    |
|---------------------------|--------------------|
| Personal precautions:     | N/A                |
| Environmental precaution: | N/A                |
| Methods for cleaning up:  | Mechanical removal |

### Handling and storage

|                          |  |
|--------------------------|--|
| Advice on safe handling: | During machining of the stock shapes, evacuate swarf to prevent slipping or tripping.  |
| Storage:                 | <p>Store inert product dry and cool. Keep storage and working areas sufficiently ventilated. Keep away from source of flame, heat and ignition.</p> <p>Due to the risk of collapsing, do not stack more than 2 pallets on top of each other. Pallets should not stack on top of each other along aisles.</p> |

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### Exposure controls / personal protection

|  |      |
|--|------|
| Ingredients with occupational exposure limits to be monitored: | None |
|--|------|

#### Personal (body) protection

|  |  |
|--|--|
| General protective and hygiene measures: | Keep the workplace sufficiently ventilated; thereby smoking; eating and drinking are not allowed.<br>Continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Avoid breathing in gaseous degradation products and dust that may result by material overheating. |
|--|--|

|                  |   |
|------------------|---|
| Hand protection: | Safety gloves in case of contact with warm material |
|------------------|---|

|                 |   |
|-----------------|---|
| Eye protection: | Safety goggles or shield during machining |
|-----------------|---|

|                  |                 |
|------------------|-----------------|
| Body protection: | Working clothes |
|------------------|-----------------|

|                         |   |
|-------------------------|---|
| Respiratory protection: | Adequate ventilation at workplace is required |
|-------------------------|---|

### Physical and chemical properties

|                       |  |
|-----------------------|--|
| <b>Physical state</b> | (rods / plates / sheets / films / tubes) |
|-----------------------|--|

|            |       |
|------------|-------|
| Aggregate: | Solid |
|------------|-------|

|         |                  |
|---------|------------------|
| Colour: | Product-specific |
|---------|------------------|

|        |                          |
|--------|--------------------------|
| Odour: | Slight, product-specific |
|--------|--------------------------|

#### Safety related facts

|                |     |
|----------------|-----|
| Boiling point: | N/A |
|----------------|-----|

|                |        |                   |
|----------------|--------|-------------------|
| Melting point: | 220 °C | (DIN/EN/ISO 3146) |
|----------------|--------|-------------------|

|                        |         |
|------------------------|---------|
| Corrosion temperature: | >350 °C |
|------------------------|---------|

|              |        |
|--------------|--------|
| Flash point: | 390 °C |
|--------------|--------|

|                            |        |              |
|----------------------------|--------|--------------|
| Self-ignition temperature: | 400 °C | (ASTM D1929) |
|----------------------------|--------|--------------|

|                            |               |
|----------------------------|---------------|
| Explosion hazard or limit: | Non explosive |
|----------------------------|---------------|

|                            |      |
|----------------------------|------|
| Oxidizing characteristics: | None |
|----------------------------|------|

|                  |                        |            |
|------------------|------------------------|------------|
| Density (20 °C): | 1.14 g/cm <sup>3</sup> | (ISO 1183) |
|------------------|------------------------|------------|

|                              |           |
|------------------------------|-----------|
| Solubility (in water 20 °C): | Insoluble |
|------------------------------|-----------|

|            |     |
|------------|-----|
| Viscosity: | N/A |
|------------|-----|

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### Stability and reactivity

|                                   |                                  |                   |
|-----------------------------------|----------------------------------|-------------------|
| Conditions to avoid:              | Temperatures above melting point |                   |
| Material to avoid:                | Strong oxidant                   |                   |
| Hazardous decomposition products: | Carbon monoxide (CO)             | CAS-No. 630-08-0  |
|                                   | Hydrogen cyanide (HCN)           | CAS-Nr. 74-90-8   |
|                                   | Ammonia (NH <sub>3</sub> )       | CAS-Nr. 7664-41-7 |

### Toxicological information

|                             |  |  |
|-----------------------------|--|--|
| Toxicology:                 | Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. |  |
| Primary irritation on skin: | N/A  |  |
| Primary irritation on eyes: | N/A  |  |
| Sensitization:              | Not known  |  |
| Practical tests:            | N/A  |  |
| Additional information:     | N/A  |  |

### Environmentally-specific information

The material does not harm the environmental but is not biologically degradable.

### Disposal considerations

The product must be disposed in accordance with the local authorities.

### Transport information

Not classified as hazardous under transport regulations.

### Legal specifications

#### European regulations (identification)

The product does not require a hazard warning label in accordance with EC directives.

#### National regulations (Germany)

GefStoffV: No identification necessary

WHG: No water imperilling in terms of VwVwS

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### Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.