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

### 1.1. Product identifier

**Product name**: INSULCAST RTVS 27 HTC PT A

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses**: Casting compound

### 1.3. Details of the supplier of the safety data sheet

**Supplier**: ITW Performance Polymers  
Bay 150  
Shannon Industrial Estate  
Co. Clare  
Ireland  
V14 DF82  
353(61)771500  
353(61)471285  
mail@itwpp.com

**Emergency telephone number**

**Emergency telephone**: +44(0)1235 239 670 (24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

- **Physical hazards**: Not Classified
- **Health hazards**: Not Classified
- **Environmental hazards**: Not Classified

### 2.2. Label elements

**Hazard statements**: NC Not Classified

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<table>
<thead>
<tr>
<th><strong>CRYSSTALLINE SILICA</strong></th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS number</strong>: 14808-60-7</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**

STOT RE 2 - H373
INSULCAST RTVS 27 HTC PT A

CARBON BLACK
CAS number: 1333-86-4

Classification
Not Classified

<1%

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Ingestion
Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician for specific advice.

Skin contact
Remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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

Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Extinguish with carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting
Use water to keep fire exposed containers cool and disperse vapours.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Do not breathe vapour. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions
Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up
INSULCAST RTVS 27 HTC PT A

Methods for cleaning up
Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water.

6.4. Reference to other sections
Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Provide adequate ventilation. Avoid inhalation of vapours.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Store in tightly-closed, original container in a dry and cool place. Avoid contact with oxidising agents. Store away from the following materials: Acids. Store away from incompatible materials (see Section 10).

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters
Occupational exposure limits
CARBON BLACK
Long-term exposure limit (8-hour TWA): 3.5 mg/m³

8.2. Exposure controls
Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 8 hours.

Other skin and body protection
Wear apron or protective clothing in case of contact.

Hygiene measures
Wash hands after contact. Promptly remove any clothing that becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection
Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

SECTION 9: Physical and Chemical Properties

3/6
INSULCAST RTVS 27 HTC PT A

9.1. Information on basic physical and chemical properties

Appearance  Liquid.
Colour  Grey.
Flash point  >251.7°C
Evaporation rate  «59» «184» «109020»
Relative density  1.98g/cm³

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity  There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stability  Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions  Not available.

10.4. Conditions to avoid
Conditions to avoid  Avoid heat. Avoid contact with the following materials: Strong oxidising agents.

10.5. Incompatible materials
Materials to avoid  Strong oxidising agents.

10.6. Hazardous decomposition products
Hazardous decomposition products  Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation  Prolonged or repeated exposure may cause the following adverse effects: Upper respiratory irritation.
Ingestion  May be harmful if swallowed.
Skin contact  May be harmful in contact with skin.
Eye contact  May irritate eyes.

SECTION 12: Ecological Information

Ecotoxicity  No data on possible environmental effects have been found.

12.1. Toxicity
Toxicity  Not determined.

12.2. Persistence and degradability
Persistence and degradability  There are no data on the degradability of this product.

12.3. Bioaccumulative potential
INSULCAST RTVS 27 HTC PT A

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil
Mobility Not considered mobile.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects
Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
No information required.

14.2. UN proper shipping name
No information required.

14.3. Transport hazard class(es)
Transport labels No transport warning sign required.

14.4. Packing group
No information required.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
No information required.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information required.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
INSULCAST RTVS 27 HTC PT A

EU legislation

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

<table>
<thead>
<tr>
<th>SECTION 16: Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
</tr>
<tr>
<td>Revision</td>
</tr>
<tr>
<td>Supersedes date</td>
</tr>
<tr>
<td>Hazard statements in full</td>
</tr>
</tbody>
</table>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company’s knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.