SAFETY DATA SHEET
INSULCAST RTVS 27 LV PT B

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

1.1. Product identifier
Product name
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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

1.4. 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
Aquatic Chronic 3 - H412

2.2. Label elements
Hazard statements
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with national regulations.
P302+P352 IF ON SKIN: Wash with plenty of water.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
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QUARTZ

CAS number: 14808-60-7
EC number: 238-878-4

Classification
Not Classified

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.

Ingestion
DO NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Skin contact
Remove contaminated clothing and rinse skin thoroughly with water. 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
Carbon dioxide or dry powder.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting
Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

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
Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions
Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up  Absorb spillage with sand or other inert absorbent. Flush away spillage with plenty of water. Provide adequate ventilation.

6.4. Reference to other sections

Reference to other sections  For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions  Avoid inhalation of vapours. Provide adequate ventilation. Container must be kept tightly closed when not in use.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions  Store in a cool and well-ventilated place. Keep container dry. 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

QUARTZ

Long-term exposure limit (8-hour TWA):  0.3 mg/m³

Ingredient comments  No exposure limits known for ingredient(s).

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  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.
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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

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Black</td>
</tr>
<tr>
<td>Flash point</td>
<td>251.7°C</td>
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<tr>
<td>Relative density</td>
<td>1.51g/cm³</td>
</tr>
</tbody>
</table>

9.2. Other information

SECTION 10: Stability and Reactivity

10.1. Reactivity


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 contact with strong oxidising agents. Avoid heat.

10.5. Incompatible materials

Materials to avoid: Strong alkalis. Acids - oxidising.

10.6. Hazardous decomposition products

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

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
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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
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
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
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

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

SECTION 16: Other information

Revision date
04/04/2018
Revision
3
Supersedes date
29/04/2016
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<table>
<thead>
<tr>
<th>SDS number</th>
<th>20698</th>
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<tbody>
<tr>
<td>Hazard statements in full</td>
<td>H412 Harmful to aquatic life with long lasting effects.</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.