SECTION 1: Identification of the article and of the company/undertaking

1.1. Product identifier

Article name : PEI-9085

1.2. Relevant identified uses of the article and uses advised against

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety document

ARMOR 3D

7, rue de la Pélissière

44118 La Chevrolière - France

T +33(0)240384000

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

Not applicable

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

SECTION 3: Composition/information on ingredients

Polyetherimide

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move to fresh air in case of accidental inhalation. If symptoms persist call a doctor.

First-aid measures after skin contact : Cool skin rapidly with cold water after contact with molten product. Gently wash with plenty of soap and water. Get medical advice/attention.

First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : No hazards which require special first aid measures.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the article

Hazardous decomposition products in case of fire : Fire will produce dense black smoke. Thermal decomposition generates : Carbon oxides (CO, CO2). Various hydrocarbon fragments. Nitrogen Oxides (NOx). Hydrogen cyanide.

5.3. Advice for firefighters

Precautionary measures fire : Take precautionary measures against static discharge. Dust may form explosive mixture in air. Decomposes on exposure to temperature rise: release of irritant gases/vapours.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use a self-contained breathing apparatus and also a protective suit. Fight fire from safe distance and protected location. Hazardous decomposition products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : See Heading 8.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow to enter drains or water courses. Do not allow product to spread into the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Shovel or sweep up and put in a closed container for disposal. Minimise generation of dust.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practice. Ensure good ventilation of the work station. Avoid dust formation. Ground/bond container and receiving equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool area. Store in a closed container. Keep away from heat. Keep away from ignition sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Ensure that there is a suitable ventilation system.

Hand protection:
Protective gloves

Eye protection:
Wear closed safety glasses

Skin and body protection:
Long sleeved protective clothing

Respiratory protection:
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: > 1
Solubility	: not soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
Hazardous polymerization does not occur.
10.4. Conditions to avoid
To avoid thermal decomposition, avoid elevated temperatures. Heating can result in the formation of gaseous decomposition products, some of which may be hazardous. Do not exceed melt temperature recommendations in product literature. Purgings of hot material should be collected in small, flat, thin shapes and quenched with water to allow for rapid cooling. Do not allow product to remain in barrel at elevated temperatures for extended periods of time.
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Hazardous vapours may be released. hydrocarbons. Phenolic compounds.

SECTION 11: Toxicological information
No additional information available

SECTION 12: Ecological information
No additional information available

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Waste treatment methods : If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.

SECTION 14: Transport information
Not applicable

SECTION 15: Regulatory information
No additional information available

SECTION 16: Other information
No additional information available

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.