

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

1.1. Product identifier

Article name : PPSU

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 article

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

PolyPhenylSulfone

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If symptoms persist call a doctor. Move to fresh air in case of accidental inhalation.
First-aid measures after skin contact : Cool skin rapidly with cold water after contact with molten product. Do not pull solidified product away from the skin. Get medical advice/attention.
First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Never give anything by mouth to an unconscious person. On ingestion in large quantities: Get medical advice/attention.

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

Symptoms/effects after inhalation : Mechanical irritation from the particulates generated by the product. Thermal decomposition may produce : Hazardous gases and aerosols.
Symptoms/effects after skin contact : Mechanical irritation from the particulates generated by the product.
Symptoms/effects after eye contact : Mechanical irritation from the particulates generated by the product.
Symptoms/effects after ingestion : Ingestion unlikely.

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 : Foam, powder, carbon dioxide (CO₂), water spray.

5.2. Special hazards arising from the article

Fire hazard : Combustible product. In a fire, the polymer melts, producing droplets which may propagate fire. Once started, a fire will tend to self extinguish (see section 9).
Explosion hazard : Risk of dust explosion.
Hazardous decomposition products in case of fire : Heating can release hazardous gases.

5.3. Advice for firefighters

Protection during firefighting : Complete protective clothing. Use self-contained breathing apparatus and chemically protective clothing.
Other information : Avoid dust formation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Refer to protective measures listed in Sections 7 and 8.

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6.1.2. For emergency responders

Protective equipment : Refer to protective measures listed in Sections 7 and 8.

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 : Take precautionary measures against static discharge. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. To avoid thermal decomposition, do not overheat.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from ignition sources. Keep away from heat. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. To avoid thermal decomposition, do not overheat. Avoid dust formation.

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:

Provide local exhaust or general room ventilation. Provide adequate ventilation to minimize dust concentrations.

Hand protection:

In the event of contact with molten product : Protective gloves

Eye protection:

Where excessive dust may result, wear goggles

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Other information:

Do not eat, drink or smoke during use. Always wash hands after handling the product. The article must be handled in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Odour	: without.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 220 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 430 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: not soluble in water.
Log Pow	: No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Risk of dust explosion.
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 dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat. Keep away from any flames or sparking source. To avoid thermal decomposition, do not overheat. Avoid dust formation.

10.5. Incompatible materials

Polymeric resins.

10.6. Hazardous decomposition products

Carbon monoxide. Sulfur Oxides. hydrocarbons.

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 : Dispose in a safe manner in accordance with local/national 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.