



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

1.1. Product identifier

Product name : PETG-S

1.2. Relevant identified uses of the substance or mixture 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 data sheet

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

Co-Polyester Polyethylene Terephthalate

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Cool skin rapidly with cold water after contact with molten product. Do not peel product from the skin. Get medical advice/attention.

First-aid measures after eye contact : Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam.

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

5.2. Special hazards arising from the substance or mixture

Fire hazard : Explosive vapour/air mixtures may be formed. Avoid static electricity discharges.

Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide. Acetaldehyde.

5.3. Advice for firefighters

Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : If spilled, may cause the floor to be slippery. Collect spillage. The molten polymer may remain hot for some time due to low thermal conductivity. Use care when disposing of molten mass.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

PETG-S

Safety Document

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up or vacuum up the product.
Other information : Avoid dust formation.

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 : Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety practice. Provide adequate ventilation to minimize dust and/or vapour concentrations. Remove all sources of ignition. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from : open flames, Sources of ignition, Direct sunlight, Incompatible materials.

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:

Ensure that there is a suitable ventilation system. Provide adequate ventilation to minimize dust concentrations.

Hand protection:

Protective gloves

Eye protection:

None under normal use

Skin and body protection:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure

Respiratory protection:

None under normal use. In case of breathable dust, use a self-contained breathing apparatus

Other information:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Odour : slight.
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 : No data available
Density : $\geq 1.27 \text{ g/cm}^3$
Solubility : No data available
Log Pow : No data available
Viscosity, kinematic : No data available

PETG-S

Safety Document

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

None under normal use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Acetic Anhydride, acetone, aniline, benzene, chloroform, chromic acid, cyclohexanone, dimethylformamide, dioxane, ethyl acetate, phenol, tetrahydrofuran. Reactive with strong oxidizing agents, as well as strong acids and caustic will decompose polyester.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Acetaldehyde.

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.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

No additional information available

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.

