

SECTION 1: Identification of the article and of the company/undertaking**1.1. Product identifier**

Article name : ABS-EC

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

Acrylonitrile-butadiene-styrene copolymer / carbon

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures after inhalation : Allow affected person to breathe fresh air. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

First-aid measures after skin contact : In the event of contact with molten product : Wash off with plenty of water. 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 : Get medical advice/attention if you feel unwell. Do not induce vomiting.

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 : 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 article

Explosion hazard : Potential dust explosion hazard from airborne release.

Hazardous decomposition products in case of fire : May release : Carbon oxides (CO, CO₂). Nitrogen Oxides (NO_x). Metallic oxides. Hydrocarbons. Styrene. Hydrogen cyanide.

5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General measures : See Heading 8. Avoid contact with skin and eyes. Do not breathe dust. Avoid dust formation.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

ABS-EC

Safety Document

6.2. Environmental precautions

Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Spilled material may present a slipping hazard. Mechanically recover the product. 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. Avoid dust formation. Prevent the build-up of electrostatic charge. No open flames. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from heat and direct sunlight. Store in dry, cool, well-ventilated area. Keep away from ignition sources. open flames. Avoid dust formation. Protect from moisture.

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 good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Respiratory protection:

In case of breathable dust, use a self-contained breathing apparatus

Environmental exposure controls:

Avoid release to the environment.

Other information:

Wash hands and face before break and at end of works. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Remove/Take off immediately all contaminated clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Black.
Odour	: odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: > 90 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: > 400 °C
Decomposition temperature	: ≈ 300 °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
Density	: ≈ 1 g/cm ³ (60°C)
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available

ABS-EC

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 dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under the recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Moisture. Keep away from heat and direct sunlight. Use special care to avoid static electric charges. Avoid dust formation.

10.5. Incompatible materials

Strong reducing agents. Strong oxidizers. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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 : Avoid discharge to the environment. Dispose of contents/container in accordance with licensed collector's sorting instructions.

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.