

Issue Date: 03/04/2006  
 Last Revision Date: 25/11/2025  
 Superseded Date: 03/04/2006  
 Version Number: 02

# SAFETY DATA SHEET

Product Code: A151

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## SECTION 1 PRODUCT IDENTIFICATION

**1.1 Product identification:** Plates to perform laboratory tests.

**Product Name:** Aptaca Petri Dish

**1.2 Intended purpose:** laboratory tests. It is recommended not to vary the intended purpose.

## SECTION 2 HAZARD IDENTIFICATION

**2.1 Classification:** the product IS NOT classified as hazardous according to EEC Directive 1999/45/CE and its following amendments.

**2.2 Main health hazards:** the product does not represent any health hazard so as input into the market and when subjected to normal and predictable storage and use procedures. The product is not dangerous according to criteria fixed by European Union. See also point 4 and 11.

**2.3 Main environmental hazards:** the product is steady and inert at its normal storage and use conditions. It does not represent any risk in relation with environment.

**2.4 Additional information:** the product is intended for professional use only in laboratory of analysis.

It is not suitable for children; keep out of reach.

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Polystyrene (PS) - CAS number: 9003-53-6

## SECTION 4 FIRST AID MEASURES

**4.1 Inhalation:** inhalation of powders or gas/steam emitted by thermal action may cause irritation to respiratory tract. Take victim into fresh open air, lay him/her down in a quiet place and, if necessary, give him/her artificial respiration. Get immediate medical assistance.

**4.2 Skin contact:** contact with melted material causes burns. Quickly cool the area by using cold water. Do not remove solidified product from skin. Get medical assistance. Skin burns caused by melted material must be clinically treated.

**4.3 Eye contact:** eye contact with product slivers, powder or gas/vapour caused by heating may cause irritation or reddening. Immediately flush with plenty of water for at least 15 minutes. Should a rash be noted, get medical assistance.

**4.4 Ingestion:** product or slivers ingestion may cause abdominal pains. No specific measures are required when ingesting the product as it is: it is suggested to rinse your mouth and drink plenty of water. In case of malaise, get medical assistance.

**4.5 Necessary aid tools:** first aid kit.

## SECTION 5 FIRE FIGHTING MEASURES

**5.1 Suitable extinguishing media:** water, vaporized water, foam, dry chemical and carbon dioxide.

**5.2 Extinguishers to be avoided:** none

**5.3 Risks due to product exposition to gas and combustion residual products:** in case of fire, the product burns with a sooty flame and springs dangerous smokes composed by carbon dioxide, carbon monoxide and other combustion residual products. In case of incomplete combustion, hydrocarbon, aldehydes (acetic, protonic) may develop. Pyrolysis/overheating may develop vapours composed by monomers, low polymers and possible derivatives by their oxidation.

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**5.4 Protective kit for extinction staff:** in case of fire, a suitable individual protecting kit must be used (breathing apparatus, helmet, protective glasses, overalls, gloves and fireproof boots).

**5.5 Additional information:** the product is combustible.

Powders run risk of explosion and fire.

Fire residuals and contaminated extinguishing water must be disposed off according to local regulations.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**6.1 Personal safety precautions:** do not walk on the product to avoid any risk of slipping.

**6.2 Environmental protection measures:** no specific ranger. Do not dispose water in the sewer system.

**6.3 Clean up procedure:** remove mechanically. Recycle when possible or dispose off according to local regulations.

## SECTION 7 HANDLING AND STORAGE

**7.1 Handling:** it is recommended to handle with care, so as to avoid falls or impacts which might damage the product and compromise its use, safety and cause leakage.

**7.2 Storage:** not to store in open place under direct sun irradiation. Keep far from ignition sources, heat, sparks, flames and flammable products.

Keep in dry place, temperature range min -10° C max +50 ° C

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Value limit for exposure:** Not available

**8.2 Personal protection**

**8.2.1 Respiratory protection:** dust mask if required

**8.2.2 Hands protection:** protective gloves when required.

**8.2.3 Eye protection:** suitable glasses when required.

**8.2.2 Skin protection:** standard working clothes.

**8.3 Specific hygiene measures:** do not eat, smoke or drink on working place

## SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE AT ROOM TEMPERATURE:	Solid, several shapes and dimensions
COLOUR:	Transparent
SMELL:	Odourless
PH:	N/A
BOILING POINT/RANGE:	N/A
IGNITION POINT:	>400°C
SOFTENING TEMPERATURE:	>70°C
BLASTING PROPERTIES:	Not blasting

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COMBUSTIBLE PROPERTIES:	Not combustible
VAPOUR PRESSURE:	N/A
SPECIFIC GRAVITY:	1,04 g/sq. cm at 20 °c
SOLUBILITY IN WATER:	None
SOLUBILITY IN OTHER SOLVENTS:	soluble in halogen solvents, aromatic, ketones
COEFFICIENT OF DISTRIBUTION:	N/A
VISCOSITY:	Not available
VAPOUR DENSITY:	N/A
SPEED OF EVAPOURATION:	Not applicable

## SECTION 10 STABILITY AND REACTIVITY

The product is stable and chemically inert at use temperature

**10.1 Conditions to be avoided:** direct sun and/or heat exposition. Accumulation of electrostatic charges.

**10.2 Materials to be avoided:** halogen solvents and oxidizing substances.

**10.3 Hazardous decomposition products:** not known dangerous decomposition products at room temperature. Owing to strong overheating some decomposition gas may be evidenced.

## SECTION 11 TOXICOLOGICAL INFORMATION

Avoid to inhale combustion smokes.

**11.1 Hazardous effects from exposure to the product reported:** none.

**11.1 Delayed or immediate effects following to short or long exposure:** NEITHER carcinogenesis, NOR mutagenesis and teratogenesis reported effects.

## SECTION 12 ECOLOGICAL INFORMATION

**12.1 Ecotoxicity:** the products is basically composed by a polymer having high molecular weight, not considered as toxic.

**12.2 Mobility:** avoid to dispose the product off in the environment.

**12.3 Biodegradability:** the product is not biodegradable. It may be recycled according to the suitable technologies.

**12.4 Potential of bioaccumulation:** no significant bioaccumulation reported.

**12.5 Other adverse effects:** the product does not contain any substances or additives based on lead, mercury, cadmium and chrome. It does not contain asbestos, CFC, HCFC. It is very slowly degraded by solar UV irradiations.

## SECTION 13 DISPOSAL CONSIDERATIONS

**13.1 Residuals description and handling:** for residuals disposal same safety provisions for commercialized product must be applied.

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**13.2 Disposal methods suitable for the product:** the product must be disposed off according to the provisions of national or local laws.

- **Incineration:** it has to be done according to approved conditions, possibly by recycling energy, at plants equipped with exhaust smokes washing, before they are input in atmosphere.
- **Recycling:** if suitable following to appropriate treatments (i.e. washing, re-granulation), the products may be re-used in its application sectors which allow it, both as it is and mixed with other virgin material.
- **Dumping:** avoided whenever possible or to be done at authorized plants.

**13.3 National and European Community provisions on wastes:** 91/156/CEE Directive; 91/689/CEE Directive; 94/62/CEE Directive; D.L. n°22 dated 5.2.97 and following amendments.

### SECTION 14 TRANSPORT INFORMATION

No classification as hazardous material under ADR RID ADNR IMDG/GGVSee ICAO/IATA

### SECTION 15 REGULATORY INFORMATION

The products IS NOT classified as dangerous according to the law in vigour (1999/45/CE).

### SECTION 16 OTHER INFORMATION

Present safety sheet has been drawn according to the EEC Directive 2001/58/CE provisions  
The product is suitable for contact with aliments, according to the provisions of laws in vigour.  
Italy: Decreto Ministeriale dated 21.03.1973 and its following amendments.  
European Community: Directive 2002/72 and its following amendments.  
The product is latex free.

## END OF SDS