

Safety Data Sheet

- ECO PCR PS –

1. Identification of the material and of the company

For this product it is not legally required to provide an SDS under article 31 of the REACH regulation, because the product is not classified as hazardous. This document is prepared as a voluntary and additional service to provide safety information.

1.1 Product name identifier

ECO PCR PS

1.2 Relevant identified uses of the material

This mechanical recycled polystyrene is used for industrial purposes.

1.3 Details of the supplier of the SDS

On request

2. Hazards Identification

2.1 Hazards

When processing the material at elevated temperatures, some vapours and fumes may be irritating for the eyes, nose, throat and respiratory system. In case of overexposure, they can cause nausea and headache. The product, in the delivered form, is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Results of PBT and vPvB assessment:

This material does not contain any substances that are assessed to be a PBT or a vPvB.

3. Composition and information on ingredients

The product does not contain any other ingredients than the ones stated in the TDS which are classified according to present knowledge of the supplier.

4. First aid measures

4.1 Description of first aid measures

Following inhalation:	Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.
Following skin contact:	After contact with the molten product, cool down quickly with cold water. Do not remove the solidified product from the skin.
Following eye contact:	Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.

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5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water, foam, dry extinguishing powder.

5.2 Advice for firefighters

In case of fire or explosion, do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters: Self-contained breathing apparatus (EN 133).
Standard protective clothing for firefighters.

6. Handling and storage

6.1 Precautions for safe handling

Recommendations and measures to prevent fire as well as dust generation:

Use local and general ventilation. Take precautionary measures against static discharge.

Dust deposits may accumulate on all surfaces in a technical room. Be aware that the enrichment of fine dust increases the danger of dust explosion.

Advice on general occupational hygiene: Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas.

6.2 Conditions for safe storage

Explosive atmospheres: Removal of dust deposits.

Flammability hazards: Keep away from sources of ignition – No smoking. Take precautionary measures against static discharge.

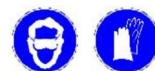
Incompatible materials: Observe hints for combined storage. Keep away from alkalis, oxidising substances, acids

Control of effects: Protect against external exposure, such as high temperatures, UV-radiation or sunlight. Store in a well-ventilated place. Keep container tightly closed.

7. Exposure controls and personal protection

Appropriate engineering controls: Provide mechanical ventilation; in general such ventilation should be provided at compounding areas and at filling work stations where the material is heated. Local ventilation should be used on the machinery that is heating the material.

Individual protection measures (personal protective equipment)



Eye protection: Use safety goggle with side protection.

Hand protection: Use heat resistant gloves when handling molten product.

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8. Stability and reactivity

8.1 Reactivity

This material is not reactive and chemically stable under normal ambient conditions.

8.2 Conditions to avoid

Avoid prolonged exposure to heat or UV light since this may influence material properties. When heated above decomposition temperature toxic fumes may be released. Therefore, do not process the material above 230°C.

8.3 Incompatible materials

The following materials are incompatible with this product: acids, oxidizers, alkalis.

9. Disposal considerations

9.1 Waste treatment methods

Avoid release of the material to the environment.

Waste treatment of containers / packaging: Completely emptied packages can be recycled.

10. Regulation information

10.1 Safety, health and environmental regulations / legislation

Relevant provisions of the European Union (EU): Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) – Annex II.

None of the known ingredients are present above their concentration limit.

11. Acronyms

Acronyms	Description
REACH	Regulation Evaluation Authorization of Chemicals
RoHS	Regulation of hazardous substances
UV	Ultraviolet
SDS	Safety data sheet
PBT	Persistent bio-accumulative and Toxic
vPvB	Very persistent and very bio-accumulative

Please note that this document is only valid for the resin.

If you have any further questions, please do not hesitate to contact us.

With best regards

Universal Polythex Kunststoffe GmbH