

EC SAFETY DATA SHEET

According to Regulation (EG) No. 1907/2006 (REACH) and Regulation (EU) No. 2020/878

Issued: 01.03.2021

Language: EN

Printed:



3D|CORE™ PET, 3D|CORE™ PET GR, 3D|CORE™ PET FR

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

1.1 Product identifier

Trade name: 3D|CORE™ PET, 3D|CORE™ PET GR, 3D|CORE™ PET FR

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture: Technical and structural insulation
Structural foam core

Uses advised against: No data available

1.3 Details of the supplier of the safety data sheet

Company name: 3D|Core GmbH & Co. KG
Address: Oststraße 74
32051 Herford
Website: www.3D-CORE.com
E-Mail: info@3D-CORE.com
Telephone: +49 (0) 5221 93639-0
Telefax: +49 (0) 5221 93639-1

1.4 Emergency telephone number: +49 (0) 5221 93639-0 (This number is only available during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification Information: This product does not meet the classification and labelling criteria given in Regulation (EC) No. 1272/2008 (CLP).

2.2 Label elements

Not relevant.

2.3 Other hazards

The product may contain residual amounts of blowing agent (hydrocarbon).

The product may contain residual PET dust or release PET dust during post-operations (e.g. cutting, milling, grinding).

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization: Polyethylene Terephthalate Foam

Hazardous ingredients: The product does not contain substances to be mentioned according to EU Regulation No. 1907/2006 (REACH), annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and launder thoroughly before reusing.

After inhalation: Ensure supply of fresh air.

After skin contact: When in contact with the skin, clean with soap and water.

After eye contact: Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion: Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Foam; Water spray jet; Extinguishing powder; carbon dioxide

Unsuitable extinguishing media: High power water jet

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5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

In case of combustion use a suitable breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Refer to protective measures listed in section 7 and 8
For emergency personnel: Personal protective equipment (PPE) – see section 8

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations"

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

General protective and hygiene measures: Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Do not inhale dust. Avoid contact with eyes.
Advice on protection against fire and explosion: No special measures necessary.

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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Danger of electrostatic charges when stored in very dry areas.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring

8.2 Exposure controls

Appropriate engineering controls: No data available

Personal protective equipment

Respiratory protection: If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye/face protection: Safety glasses (EN 166)

Hand protection: In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Environmental exposure controls: No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour: Solid
White; green
Odour: Odourless
Odour threshold: No data available
pH value: No data available

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Boiling point/boiling range:	No data available	
Melting point/melting range:	Value:	250°C
	Method:	ISO 11357-3
Decomposition point/decomposition range:	Value:	350°C
	Method:	ISO 11358
Flash point:	No data available	
Auto-ignition temperature:	No data available	
Oxidising properties:	No data available	
Explosive properties:	No data available	
Flammability (solid, gas):	No data available	
Lower flammability or explosive limits:	No data available	
Upper flammability or explosive limits:	No data available	
Vapour pressure:	No data available	
Vapour density:	No data available	
Evaporation rate:	No data available	
Relative density:	No data available	
Density:	Value:	40-350 kg/m ³
	Reference temperature:	20°C
	Method:	ISO 845
Solubility in water:	Reference temperature:	20°C
	Remarks:	insoluble
Solubility(ies):	No data available	
Partition coefficient: n-octanol/water:	No data available	
Viscosity:	No data available	

9.2 Other information

Other information: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7)

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10.3 Possibility of hazardous reactions

None, if handled according to order

10.4 Conditions to avoid

Contact with open flames

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Carbon dioxide; Carbon monoxide; Acetaldehyde; Formaldehyde; Acidic gases/vapours

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity:	No data available
Acute dermal toxicity:	No data available
Acute inhalation toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitisation:	No data available
Germ cell mutagenicity:	No data available
Reproduction toxicity:	No data available
Carcinogenicity:	No data available
STOT – single exposure:	No data available
STOT – repeated exposure:	No data available
Aspiration hazard:	No data available

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute):	No data available
Toxicity to fish (chronic):	No data available
Toxicity to Daphnia (acute):	No data available

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Toxicity to Daphnia (chronic):	No data available
Toxicity to algae (acute):	No data available
Toxicity to algae (chronic):	No data available
Bacteria toxicity:	No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBt and vPvB assessment

No data available

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
Packaging:	Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/AND regulations

14.2 Transport IMDG

The product is not subject to IMDG regulations

14.3 Transport ICAO-TI/IATA

The Product is not subject to ICAO-TI/IATA regulations

14.4 Other information

No data available

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1-14.3

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation):

REACH candidate list of substances of very high concern (SVHC) for authorisation:

Regulation (EC) No 1907/2006 (REACH)

According to the data available and/or specifications supplied by upstream suppliers, the product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

According to the data available and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in Annex XIV (List of Substances Subject to Authorisation) as laid down in article 57 and 59 of REACH (EC) 1907/2006.

According to the data available and/or specifications supplied by upstream suppliers, the product does not contain any substances requiring

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Annex XVII: restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles:

authorisation as listed on Annex XVII or the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances:

The product is not subject to Part 1 or 2 of Annex I.

Other regulations:

Adhere to the national sanitary and occupational safety regulations when using the product.

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Further information

Authors responsible for the compilation of the material safety data sheet: 3D|Core GmbH & Co. KG, Oststr. 74, D-32051 Herford, Tel.: +49 (0) 5221 93639-0, Fax: +49 (0) 5221 93639-1, e-mail: info@3D-CORE.com

Sources of key data used to compile the data sheet:

The Information is based on our knowledge however it does not represent or guarantee of product properties nor does it create any legal obligation.

Regulation (EC) No. 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

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