

## Safety Data Sheet

### VisiJet<sup>®</sup> C4 Spectrum Core

Revision Date: September 13, 2019

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

##### 1.1 Identification of the substance or preparation: VisiJet<sup>®</sup> C4 Spectrum Core

**1.2 Use of the substance / preparation:** For use with ProJet<sup>®</sup> 4500 3D printer

##### 1.3 Company/undertaking identification:

3D Systems, Inc.  
333 Three D Systems Circle  
Rock Hill, South Carolina U.S.A.  
Phone: 803.326.3900 or  
Toll-free Phone: 800.793.3669  
e-mail: [moreinfo@3dsystems.com](mailto:moreinfo@3dsystems.com)  
Chemical Emergency:  
800.424.9300 – Chemtrec

3D Systems Europe Ltd.  
Mark House, Mark Road  
Hemel Hempstead  
Herts HP2 7 United Kingdom  
Phone: +44 144-2282600  
e-mail: [moreinfo@3dsystems.com](mailto:moreinfo@3dsystems.com)  
Chemical Emergency:  
+1 703.527.3887 - Chemtrec

3D Systems / Australia  
5 Lynch Street  
Hawthorn, VIC 3122  
+1 03 9819-4422  
e-mail: [moreinfo@3dsystems.com](mailto:moreinfo@3dsystems.com)  
Chemical Emergency:  
+(61) 29037.2994 – Aus Chemtrec

#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification:

**Not classified according to GHS, Regulation (EC) No. 1272/2008, HazCom 29 CFR 1910, Australian Dangerous Goods Code:**

##### 2.2 Label Elements

**Regulation (EC) No, 1272/2008:**

**Hazard pictograms and signal word: None**

**Hazard statements: None**

##### Precautionary statements:

P260: Do not breathe dust  
P402: Store in a dry place

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1 Preparation related information

**Description:** Polymer mixture

##### 3.2 Composition

###### 3.2.1 Hazardous substances

None

###### 3.2.2 Non-Hazardous substances

Chemical name	CAS-No	EC-No	%	Classification
				Regulation (EC) 1272/2008
Polymer powder	Mixture	Mixture	100	Not classified

#### 4. FIRST AID MEASURES

**4.1 In case of inhalation:** Move affected person to fresh air. If respiratory irritation occurs, seek medical attention immediately.

**4.2 In case of skin contact:** Flush skin with plenty of soap and water.

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**4.3 In case of eye contact:** Flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms persist.

**4.4 In case of ingestion:** If ingested, drink plenty of water. Do not induce vomiting.

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#### 5. FIRE-FIGHTING MEASURES

**5.1. Suitable extinguishing media:** Water mist, dry chemical, carbon dioxide, or appropriate foam.

**5.2 Extinguishing media which must not be used for safety reasons: -**

**5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:** During a fire, combustion products including but not limited to carbon monoxide and carbon dioxide may be emitted.

**5.4 Special protective equipment for fire-fighters:** Use self-contained breathing apparatus. Use water spray to keep fire-exposed containers cool. Dust is not expected to be generated in the event of a fire.

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#### 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions:** Avoid dust formation. Do not breathe vapors.

**6.2. Environmental precautions:** Avoid discharge to sewer system.

**6.3. Methods for cleaning up:** Sweep up. Place all waste in an appropriate container for disposal.

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#### 7. HANDLING AND STORAGE

**7.1 Handling:** Provide adequate ventilation during dust formation.

**7.2 Storage:** Store sealed in the original container at room temperature. Keep this material in a cool, dry, well-ventilated place.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Exposure limit values:**

Component	Component Manufacturer IEL (Internal Exposure Limit)
Particulates (total dust)	15 mg/m <sup>3</sup>
Respirable dust	5 mg/m <sup>3</sup>

**8.2 Exposure controls**

**Technical measures to prevent exposure:** Use local exhaust ventilation.

**Instructual measures to prevent exposure:** When using, do not eat, drink or smoke. Wash hands after handling and before eating, smoking and using the lavatory and at the end of the day.

**Personal protection equipment:**

**Respiratory protection:** A suitable dust mask or dust respirator with filter type P-S or FFP-S (EN 143 or EN 149) may be appropriate. In the unlikely event of particularly high levels of dust, a self-contained breathing apparatus may be appropriate.

**Hand protection:** Use impervious gloves. Gloves of butyl rubber are suitable.

**Eye protection:** Wear safety glasses or chemical goggles.

**Body protection:** Use apron and closed shoes.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### 9.1 Appearance:

**Physical state:** Powder

**Color:** white

**Odor:** mild

##### 9.2 Important health, safety and environmental information

<b>pH (20 °C):</b>	NA
<b>Melting point/range (°C):</b>	150-230
<b>Boiling point/range (°C):</b>	NA
<b>Flash point (°C):</b>	ca. 390
<b>Ignition temperature (°C):</b>	ca. 465
<b>Vapour pressure (°C):</b>	NA
<b>Density (g/cm<sup>3</sup>):</b>	1.1-1.2
<b>Bulk density (kg/m<sup>3</sup>):</b>	NA
<b>Water solubility (20°C in g/l):</b>	Negligible
<b>Viscosity, dynamic (mPa s):</b>	NA
<b>Dust explosion hazard:</b>	NA
<b>Explosion limits:</b>	NA

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#### 10. STABILITY AND REACTIVITY

**10.1 Conditions to avoid:** Avoid wet/humid environment. Avoid dust formation.

**10.2 Materials to avoid:** -

**10.3 Hazardous decomposition products:** Ethyl methacrylates, dibenzoyl peroxide, carbon dioxide, carbon monoxide.

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#### 11. TOXICOLOGICAL INFORMATION

**11.1 Toxicokinetics, metabolism and distribution:** NA

##### 11.2. General remarks:

Carcinogenicity: None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

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#### 12. Ecological information

**12.1 Ecotoxicity:** The aquatic toxicity of the product is unknown. No data are available for the components of this product.

**12.2 Mobility:** No information available for product.

**12.3 Persistence and degradability:** No information available for product.

**12.4 Results of PBT assessment:** No information available for product

**12.5 Other adverse effects:** No information available for product

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#### 13. DISPOSAL CONSIDERATIONS

**Appropriate disposal / Product:** Reduce waste by attempting to utilize product completely. Dispose of this container and its contents in accordance with all local, state, and federal regulations.

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#### 14. TRANSPORT INFORMATION

- 14.1 Land transport (ADR/RID/GGVSE):** Not regulated
- 14.2 Sea transport (IMDG-Code/GGVSee):** Not regulated
- 14.3 Air transport (ICAO-IATA/DGR):** Not regulated
- 14.4 Department of Transportation (DOT):** Not regulated

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#### 15. REGULATORY INFORMATION

##### 15.1 EU regulations

EINEC/ELINCS/NLP: All materials are listed  
REACH Annex XVII: None listed

##### 15.2. US FEDERAL

TSCA: All materials are listed on the TSCA Inventory or are not subject to TSCA requirements:  
California Proposition 65: This product does not contain chemicals which are known to the state of California to cause cancer, birth, or any other reproductive defects.

##### 15.3. Australian regulations

SUSD, Industrial Chemicals Act 1989:  
Australian Inventory of Chemical Substances, AICS: Listed

##### 15.4. Japanese regulations

Chemical Risk Information platform (CHRIP):	Listed
Industrial Health and Safety Law	not applicable
Hazardous material	not applicable
Organic solvent poison prevention rule	not applicable
Ordinance on prevention of hazard due to specified chemical substances	not applicable
Lead Poisoning Prevention Rule	not applicable
Poison and Deleterious Substance Control law	not applicable
PRTR and Promotion of Chemical Management law (PRTR Law)	no listed components
Fire Services Act	not applicable
Explosives Law	not applicable
High pressure gas safety law	not applicable
Export Trade Control Order	not applicable
Waste Disposal and Public Cleaning Law	applicable, industrial waste

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#### 16. OTHER INFORMATION

SDS Creation Date: .....October 31, 2013  
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