



**Safety Data Sheet**  
according to Regulation (EC) No 1907/2006 (REACH),  
GHS Rev 04 (2011): US, OSHA, CMA, ANSI,  
WHS Regulations Australia

**VisiJet® C4 Spectrum Core**

Revision Date: October 31. 2013

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

**1.1 Identification of the substance or preparation: VisiJet® C4 Spectrum Core**

**1.2 Use of the substance / preparation:** For use with ProJet® 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  
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  
Chemical Emergency:  
+1 703.527.3887 - Chemtrec (U.S.)

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**2. HAZARDS IDENTIFICATION**

**2.1 Classification:**

Not classified according to GHS, Regulation (EC) No. 1272/2008, HazCom 2012.

**2.2 Label Elements**

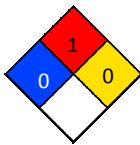
Regulation (EC) No, 1272/2008:

Hazard pictograms and signal word: None

Hazard statements: None

**Precautionary statements:**

P260: Do no breathe dust  
P402: Store in a dry place



NFPA Ratings  
0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

**Hazardous Materials Identification System**

**(HMIS):**

(Degree of hazard: 0 = low, 4 = extreme):

Health **0**  
Flammability **1**  
Physical Hazards **0**

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Preparation related information**

**Description:** Polymer mixture

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**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.

**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<br>(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.

**Instructional 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

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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

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**16. OTHER INFORMATION**

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

SDS Revision #: ..... NA

SDS Revision Date: ..... NA

Reason for Revision: ..... NA

[www.3dsystems.com](http://www.3dsystems.com)

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803.326.3900 (Outside the U.S. GMT-07:00; N. America, Mon – Fri, 6:00 a.m. to 6 p.m.)

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