



Safety Data Sheet
according to Regulation (EC) No 1907/2006 and 1272/2008,
Hazard Communication Standard 29 CFR 1910 (USA),
WHS Regulations Australia,
JIS Z 7253 (2012) Japan

VisiJet® C4 Spectrum Core

Revision Date: August 17, 2016

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
e-mail: 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
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
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

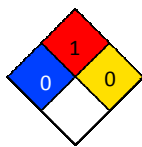
Regulation (EC) No, 1272/2008:

Hazard pictograms and signal word: None

Hazard statements: None

Precautionary statements:

P260: Do 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**

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Preparation related information

Description: Polymer mixture

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.

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.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limit values:

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

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

pH (20 °C):	NA
Melting point/range (°C):	150-230
Boiling point/range (°C):	NA
Flash point (°C):	ca. 390
Ignition temperature (°C):	ca. 465
Vapour pressure (°C):	NA
Density (g/cm³):	1.1-1.2
Bulk density (kg/m³):	NA
Water solubility (20 °C in g/l):	Negligible
Viscosity, dynamic (mPa s):	NA
Dust explosion hazard:	NA
Explosion limits:	NA

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.

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.

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

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

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):

Industrial Health and Safety Law

Hazardous material

Organic solvent poison prevention rule

Ordinance on prevention of hazard due to specified chemical substances

Lead Poisoning Prevention Rule

Poison and Deleterious Substance Control law

PRTR and Promotion of Chemical Management law (PRTR Law)

Fire Services Act

Explosives Law

High pressure gas safety law

Export Trade Control Order

Waste Disposal and Public Cleaning Law

Listed

not applicable

not applicable

not applicable

not applicable

not applicable

not applicable

not listed components

not applicable

not applicable

not applicable

not applicable

applicable, industrial waste

16. OTHER INFORMATION

SDS Creation Date: October 31, 2013

SDS Revision #: -01-A

SDS Revision Date: August 17, 2016

Reason for Revision: Update header, section 1, 2, 15.

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