



# 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® CPX200 and VisiJet Hi-Cast

Revision Date: July 3<sup>rd</sup>, 2015

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

#### 1.1 Identification of the substance or preparation: VisiJet® CPX200 and VisiJet Hi-Cast

**1.2 Use of the substance / preparation:** For use with ProJet® CPX, CPX*Plus*, CPX*Max* Professional 3D Printers

#### 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:  
703.527.3887 - Chemtrec (U.S.)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification:

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

#### 2.2 Information pertaining to special dangers for human and environment:

**Skin:** Not expected to be absorbed through the skin. Wax, when heated, can cause skin burn.

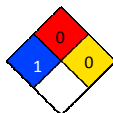
**Ingestion:** Ingestion may cause nausea, diarrhea and/or stomach pain.

#### 2.3 Label Elements

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

**Hazard pictograms and signal word:** None

**Hazard statements:** None



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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Preparation related information

**Description:** Organic mixture

#### 3.2 Dangerous components

| Chemical name | CAS-No    | EC-No     | %        | Classification            |                                   |
|---------------|-----------|-----------|----------|---------------------------|-----------------------------------|
|               |           |           |          | Regulation (EC) 1272/2008 | Regulation 67/548/EEC, 1999/45/EC |
| Paraffine     | 8002-74-2 | 232-315-6 | 60 - 80% | -                         | -                                 |



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#### 4. FIRST AID MEASURES

##### 4.1 General information:

**4.2 In case of inhalation:** Move affected person to fresh air. If respiratory irritation occurs, if breathing becomes difficult seek medical attention immediately.

**4.3 In case of skin contact:** If molten material gets on skin, cool rapidly with cold water. Do not attempt to peel material from skin. Use mineral oil to loosen the material. Seek medical attention for burns.

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

**4.5 In case of ingestion:** Ingestion is unlikely. If ingested, drink plenty of water and seek immediate medical attention. 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:** Thermal decomposition products can include CO<sub>2</sub>, CO and smoke.

**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:** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing, including a ground strap, during clean up

**6.2 Environmental precautions:** Stop the flow of material, if this is without risk. Ventilate contaminated area. Eliminate sources of ignition. Avoid the generation of dusts during clean up.

**6.3 Methods for cleaning up:** If material is molten, allow it to freeze before clean up. Scrape the material loose from the floor if necessary and vacuum or sweep the solid material into a closed container. Use internally and externally explosion-proof vacuum equipment with appropriate electrical classification per National Electrical Code, Article 502 or use non-sparking tools. Avoid the generation of dusts during clean up. Place material in an appropriate container for disposal.

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#### 7. HANDLING AND STORAGE

**7.1. Handling:** No special measures necessary in normal use of product.

**7.2 Storage:** Keep this material in a cool (<35 °C (95 °F)), dry, well-ventilated place.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### 8.1 Exposure limit values:

General product information: No occupational exposure limits (PEL/TWA) have been established for this product.

##### 8.2 Exposure controls

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



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#### Personal protection equipment:

**Respiratory protection:** If ventilation cannot effectively keep vapor concentrations below established limits, appropriate certified organic vapor respiratory protection must be provided (e.g. 3M 6001 organic vapor cartridge with half facepiece 3M 6000 or 3M 7000).

**Hand protection:** Use impervious nitrile gloves.

**Eye protection:** Wear chemical goggles

**Body protection:** Use apron.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Appearance:

**Physical state:** Solid

**Colour:** Light blue

**Odour:** Mild

### 9.2 Important health, safety and environmental information

#### Safety relevant basic data

|   |            |
|---|------------|
| <b>pH (20 °C):</b>                      | NA         |
| <b>Melting point/range (°C):</b>        | 60-70 °C   |
| <b>Boiling point/range (°C):</b>        | NA         |
| <b>Flash point (°C):</b>                | 255 °C     |
| <b>Ignition temperature (°C):</b>       | NA         |
| <b>Vapour pressure (°C):</b>            | NA         |
| <b>Density (g/cm<sup>3</sup>):</b>      | 0.85-0.91  |
| <b>Bulk density (kg/m<sup>3</sup>):</b> | NA         |
| <b>Water solubility (20 °C in g/l):</b> | insoluble  |
| <b>Partition coefficient:</b>           | NA         |
| <b>n-Octanol/Water (log Po/w):</b>      | NA         |
| <b>Viscosity, dynamic (mPa s):</b>      | 13 (80 °C) |
| <b>Dust explosion hazard:</b>           | NA         |
| <b>Explosion limits:</b>                | NA         |

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## 10. STABILITY AND REACTIVITY

### 10.1 Conditions to avoid: -

**10.2 Materials to avoid:** Avoid strong oxidizing agents.

**10.3. Hazardous decomposition products:** Carbon dioxide, carbon monoxide and other toxic fumes can be released at high temperatures or upon burning.

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## 11. TOXICOLOGICAL INFORMATION

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

### 11.2 Acute effects (toxicity tests)

**Acute toxicity:** NA

**Oral LD50:** NA

**Irritant and corrosive effects:** NA

**Irritation to respiratory tract:** NA

**Sensitisation:** NA

### 11.3 Experiences made in practice

Observations relevant to classification: -

Other observations:-

### 11.4 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:** No ecotoxicity data are available for this product's components.

**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

**12.6 Further ecological information:** The ecological assessment of this material is based on an evaluation of its components. This product is classified as not dangerous to the environment.

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#### 13. DISPOSAL CONSIDERATIONS

**13.1 Appropriate disposal / Product:** Avoid disposal. Attempt to utilize preparation completely. Prior to disposal of unused preparation, consult an approved waste disposal operative to ensure regulatory compliance.

**13.2 Waste codes / waste designations according to EWC / AVV:**

**13.3 Appropriate packaging:**

**13.4 Additional information:**

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#### 14. TRANSPORT INFORMATION

**14.1 Land transport (ADR/RID/GGVSE):** Not Regulated

Official transport designation:

Class:

Classification Code:

UN-No.:

Packing group:

Hazard label:

Tunnel restriction code:

Special provisions:

**14.2 Sea transport (IMDG-Code/GGVSee):** Not Regulated

Proper Shipping Name:

Class:

UN-No.:

Packing group:

EmS:

Marine Pollutant:

Special provisions:

**14.3 Air transport (ICAO-IATA/DGR):** Not Regulated

Proper Shipping Name:

Class:

UN-No.:

Packing group:

Special provisions:



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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

SUSDP, Industrial Chemicals Act 1989:

Australian Inventory of Chemical Substances, AICS: Listed

#### 5.4 Japanese regulations

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

not applicable

Management law (PRTR Law)

Fire Services Act

not applicable

Explosives Law

not applicable

High pressure gas safety law

not applicable

Export Trade Control Order

applicable

Waste Disposal and Public Cleaning Law

not applicable.

### 16. OTHER INFORMATION

SDS Creation Date: .....June 2012

SDS Revision #: .....-01-A

SDS Revision Date: .....July 3<sup>rd</sup>, 2015

Reason for Revision:.....GHS update

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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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