



# 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

## Infinity Rinse-Away Supports

Revision Date: 9 June 2015

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

#### 1.1 Identification of the substance or preparation: Infinity Rinse-Away Supports

#### 1.2 Use of the substance / preparation: For use with Cube® 3<sup>rd</sup> generation and CubePro® 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  
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

3D Systems Japan K.K.  
Ebisu Garden Place Tower 27F  
4-20-3, Ebisu, Shibuya-ku, Tokyo  
50-6027 Japan  
Telephone No. +81-3-5798-2500  
e-mail:  
moreinfo@3dsystems.com  
Chemical Emergency  
+(81)-345209637 – Chemtrec

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification:

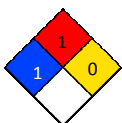
Not classified according to GHS, Regulation (EC) No. 1272/2008, HazCom 2012.

#### 2.2 Label Elements

Regulation (EC) No, 1272/2008:

Hazard pictograms and signal word: None

Hazard statements: None



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	1
Physical Hazards	0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Preparation related information

Description: Polymer

### 4. FIRST AID MEASURES

4.1 In case of inhalation: Move affected person to fresh air.

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.

4.4 In case of ingestion: If ingested, drink plenty of water. Induce vomiting immediately and call a physician. If a person vomits when lying on his back, place him in the recovery position.

### 5. FIRE-FIGHTING MEASURES

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

5.2 Unsuitable extinguishing media: High volume water jet

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>, and CO.



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### 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Wear appropriate protective equipment and clothing.

**6.2 Environmental precautions:** Avoid discharge of solid filament 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:** Avoid creating dust. Avoid contact with skin and eyes.

**7.2 Storage:** Store sealed in the original container at room temperature. Avoid exposure to moisture.

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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:** Good general ventilation should be sufficient for normal operation.

**Personal protection equipment:** If product is used as intended, no personal protective equipment is required.

**Respiratory protection:** NA

**Eye protection:** NA

**Body protection:** NA

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Appearance:

**Physical state:** Solid filament

**Colour:** White, light yellow

**Odour:** Slight, vinegar -like

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

<b>pH (20 °C):</b>	5.0-7.0
<b>Melting Point (°C):</b>	150-230 °C
<b>Boiling point/range (°C):</b>	NA
<b>Flash point (°C):</b>	> 200 °C
<b>Ignition temperature (°C):</b>	520 °C
<b>Vapour pressure (°C):</b>	NA
<b>Density (g/cm<sup>3</sup>):</b>	1.0-1.2
<b>Bulk density (kg/m<sup>3</sup>):</b>	NA
<b>Water solubility:</b>	Soluble
<b>Partition coefficient:</b>	NA
<b>n-Octanol/Water (log Po/w):</b>	NA
<b>Viscosity, dynamic (mPa s):</b>	NA
<b>Dust explosion hazard:</b>	NA
<b>Lower Explosion limit:</b>	35g/m <sup>3</sup>

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### 10. STABILITY AND REACTIVITY

**10.1 Conditions to avoid:** The product is chemically stable.

**10.2 Hazardous decomposition products:** At high temperatures or upon burning, thermal decomposition products including but not limited to carbon monoxide and carbon dioxide may be emitted.



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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Toxicokinetics, metabolism and distribution: NA

### 11.2 Acute effects (toxicity tests)

**Oral LD50:** > 2000 mg/kg

**Acute inhalation toxicity estimate:** >20 mg/l (test atmosphere vapour, exposure time 4h, calculation method)

**Acute dermal toxicity:** acute toxicity estimate: > 2000 mg/kg (calculation method)

**Irritant and corrosive effects:** No skin or eye irritation

**Irritation to respiratory tract:** NA

**Sensitisation:** Does not cause skin sensitization (OECD test guideline 406)

### 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:

EC50/48h – >100 mg/l (daphnia magna)

LC50/96h – >100 mg/l (onkorynchus mykiss)

NOEC: 7900 mg/l (exposure time 200 h, Oryzias latipes)

**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

**13.1 Appropriate disposal / Product:** Do not dump solid filament into any sewers, on the ground, or into any body of water.

All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with appliance laws are the responsibility solely of the waste generator.

**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

**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

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

### 15.4 Japanese regulations

Chemical Risk Information platform (CHRIIP):	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	not applicable

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## 16. OTHER INFORMATION

SDS Creation Date: .....June 9, 2015  
SDS Revision #: .....A  
SDS Revision Date: .....  
Reason for Revision: .....Creation

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

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