# 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® SR200 Natural
## VisiJet SR200 Gray
## VisiJet SR200 Blue
## VisiJet M3 ProPlast
## VisiJet M3 TechPlast
## VisiJet M3 Navy

Revision Date: June 15, 2017

---

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

**1.1 Identification of the mixture:**

**VisiJet® SR200 Natural**
**VisiJet SR200 Gray**
**VisiJet SR200 Blue**
**VisiJet M3 ProPlast**
**VisiJet M3 TechPlast**
**VisiJet M3 Navy**

**1.2 Use of the preparation:** For use with ProJet® SD, HD, HD+, HD***Max***, 3600W, 3600W***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
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**
**GHS : Regulation (EC) No. 1272/2008, 29 CFR 1910, Australian Dangerous Goods Code:**

| | | |
|---|---|---|
| Eye irritation | Category 2 | H319 |
| Skin irritation | Category 2 | H315 |
| Aquatic environment – Long Term Hazard | Category 3 | H412 |

**Regulation (EC) 67/548/EEC and 1999/45/EC:**

Xi, R 36/38, R5

**2.2 Label Elements**

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

**Hazard pictograms and signal word:**

**GHS07**

**Signal word: Warning**

**Hazard determining components of labelling:** Isobornyl acrylate

**Hazard statements:**

H319: Causes serious eye irritation
H315: Causes skin irritation
H412: Harmful to aquatic life with long lasting effects

# Safety Data Sheet

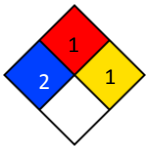
**according to Regulation (EC) No 1907/2006 and 1272/2008,
Hazard Communication Standard 29 CFR 1910 (USA),
WHS Regulations Australia,
JIS Z 7253 (2012) Japan**

## VisiJet® SR200 Natural
## VisiJet SR200 Gray
## VisiJet SR200 Blue
## VisiJet M3 ProPlast
## VisiJet M3 TechPlast
## VisiJet M3 Navy

Revision Date: June 15, 2017

**Precautionary statements:**

| | |
|---|---|
| P280: | Wear protective gloves, protective clothing, eye protection |
| P302+350: | If on skin, wash with soap and water |
| P305+351+338: | If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P410+403: | Protect from sunlight. Store in a well-ventilated place |
| P501: | Dispose of contents/container in accordance with local/regional regulations |




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 | **2** |
| Flammability | **1** |
| Physical Hazards | **1** |

**Personal Protection:**
Skin, eye protection

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Chemical characterization:**
**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** |
| Urethane acrylate oligomer | 72162-39-1 | | 25-35 | Eye Irrit.2, H319, Skin Irrit. 2, H315 | Xi, R36/38 |
| Isobornyl acrylate | 5888-33-5 | 227-561-6 | 7-10 | Eye Irrit. 2, H319 Skin Irrit.2, H315 STOT SE 3, H335 Aqu. Chronic 2. H 411 | Xi, N R-36/37/38, 51/53 |

## 4. FIRST AID MEASURES

**4.1 General Information**: Ensure that eyewash stations and safety showers are close to the workstation location.

**4.2 In case of inhalation:** May cause respiratory irritation. 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:** May cause irritation or sensitization by skin contact, including redness and/or swelling. Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.

**4.4 In case of eye contact:** Irritating to eyes. Causes redness, swelling and pain. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms persist.

**4.5 In case of ingestion**: Irritating to mouth, throat and stomach. If ingested, drink plenty of water and seek immediate medical attention. Do not induce vomiting.

**4.6 Self-protection of the first aider:** Put on appropriate protective equipment (see section 8). Move exposed person to fresh air. Remove contaminated clothing and shoes.

## 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**: 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 $CO_2$, CO, $NO_x$ and smoke.

**5.4 Special protective equipment for fire-fighters:** Wear full protective clothing, including helmet, self-contained positive-pressure or pressure demand breathing apparatus, protective clothing and facemask.

**5.5 Additional information:** Move container from area if it can be done without risk. Cool containers with water spray. Avoid inhalation of material or combustion by-products.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing. Consult expert immediately.

**6.2 Environmental precautions:** Stop the flow of material, if this is without risk. Ventilate contaminated area. Eliminate sources of ignition. In case of contamination of aquatic environment inform local authorities.

**6.3 Methods for cleaning up:** Wear appropriate protective equipment and clothing. Absorb spillage with suitable absorbent materials. Place all waste in an appropriate container for disposal. The material and its container must be disposed of as hazardous waste. Keep away from sources of ignition.

## 7. HANDLING AND STORAGE

**7.1 Handling** Provide adequate ventilation. Use suitable protective equipment. Avoid contact with skin and eyes. Do not breathe vapors or mist. Avoid ignition sources. Do not allow to enter drains or watercourses.

**7.2 Storage:** Store sealed in the original container at room temperature. Keep this material indoors in a cool, dry, well ventilated place. Store out of direct sunlight or UV light sources. Storage Temperature: below 35 °C / 95 °F. Storage class 10, environmentally hazardous liquids.

## 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.
Component Analysis:

| Component | Component Manufacturer IEL (Internal Exposure Limit) |
|---|---|
| Urethane acrylate oligomer | NA |
| Isobornyl acrylate | NA |

### 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:** : If ventilation cannot effectively keep vapor concentrations below established limits, appropriate certified organic vapor respiratory protection must be provided (e.g. 3M 6000 organic vapor cartridge A2 or half mask 3M 6000 or 3M 4251).
**Hand protection:** Use impervious nitrile gloves.
**Eye protection:** Wear safety glasses or chemical goggles.
**Body protection:** Use apron and closed shoes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Appearance:

**Physical state:** soft solid to paste
**Colour**: Light amber, blue or gray
**Odour:** Mild

### 9.2 Important health, safety and environmental information

| | |
|---|---|
| **pH (20 °C):** | NA |
| **Melting point/range (°C):** | 55-65 |
| **Boiling point/range (°C):** | NA |
| **Flash point (°C):** | 151 (COC) |
| **Ignition temperature (°C):** | NA |
| **Vapour pressure (°C):** | NA |
| **Density (g/cm3):** | 1.1 |
| **Bulk density (kg/m3):** | NA |
| **Water solubility (20°C in g/l):** | slightly soluble |
| **Partition coefficient:** | NA |
| **n-Octanol/Water (log Po/w):** | NA |
| **Viscosity, dynamic (mPa s):** | 13 (80°C) |
| **Dust explosion hazard:** | NA |
| **Explosion limits:** | NA |

## 10. STABILITY AND REACTIVITY

**10.1 Conditions to avoid:** Avoid exposure to heat and light. Take necessary actions to avoid static electricity discharge.

**10.2 Materials to avoid:** Oxidizing materials, strong acids and strong bases

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

## 11. TOXICOLOGICAL INFORMATION

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

**11.2 Acute effects (toxicity tests)**

| Component | $LD_{50}$ Oral | $LD_{50}$ Dermal |
|---|---|---|
| Urethane acrylate oligomer | NA | NA |
| Isobornyl acrylate | NA | NA |

**Irritation to respiratory tract:** irritating
**Skin irritation**: irritating
**Eye irritation:** irritating
**Sensitisation:** Causes sensitisation

**11.3 Experiences made in practice**
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**11.4 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; however based on components, it is predicted that this material may be harmful to aquatic organisms or cause long-term adverse effects in the aquatic environment. Prevent contamination of soil, drains and surface waters. 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

## 13. DISPOSAL CONSIDERATIONS

**13.1 Appropriate disposal / Product:** Do not contaminate drains, soil or surface waters with this material or its container. Reduce waste by attempting to utilize product completely. Dispose of this container and its contents in accordance with all local, state, and federal regulations. Do not reuse or refill.

**13.2 Waste codes / waste designations according to EWC / AVV:** 070208

**13.3 Additional information:** Prior to disposal 3D Systems recommends consulting an approved waste disposal firm to ensure regulatory compliance.

## 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:

## 15. REGULATORY INFORMATION

**15.1 EU regulations**
EINEC/ELINCS/NLP: All materials are listed
REACH Annex XVII: None listed

**15.2 National EU-regulations**
Wassergefährdungsklasse (water hazard class, Germany): WGK 2: Hazard to waters

**15.3 US FEDERAL**
TSCA: All materials are listed on the TSCA Inventory or are not subject to TSCA requirements
SARA 302 EHS List (40 CFR 355 Appendix A): None listed
SARA 313 (40 CFR 372.65): None listed
CERCLA (40 CFR 302.4): None listed

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

**15.5 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 | 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. Before disposal, consult an approved waste disposal operative to ensure regulatory compliance. |

## 16. OTHER INFORMATION

**16.1 Relevant Hazard Statements (number and full text) referred to in sections 2 and 3 (according to (EC) No. 1272/2008):**
Skin irrit. 2, H 315- Skin irritation, category 2, H315: Causes skin irritation
Eye Irrit. 2, H319- Eye irritation, category 2, H319: Causes serious eye irritation
STOT SE 3, H335- Specific target organ toxicity — single exposure, category 3, H335: May cause respiratory irritation
Aqu. Chron.3, H412; Aquatic environment – long-term hazard, category 3, H412: Harmful to aquatic life with long lasting effects
Aqu.Chron. 2, H411: Aquatic environment – long-term hazard, category 2, H411: Toxic to aquatic life with long lasting effects

**Relevant R-Phrases (number and full text) referred to in sections 2 and 3:**
R36/37/38- Irritating to eyes, respiratory system and skin
R43: May cause sensitization by skin contact
R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R52: Harmful to aquatic organisms

**16.2 Further information:**
SDS Creation Date: .....July 2nd, 2012
SDS Revision #: .....-04-A
SDS Revision Date: .....June 15, 2017
Reason for Revision: .....Update Sections 8, 15

www.3dsystems.com
800.793.3669 (Toll-free in the US GMT-07:00; N. America, Mon – Fri, 6:00 a.m. to 6 p.m.)
803.326.3900 (Outside the U.S. GMT-07:00; N. America, Mon – Fri, 6:00 a.m. to 6 p.m.)
+44 144-2282600 (Europe GMT+01:00; Mon – Fri, 08:00 a.m. - 17:00 p.m. MEZ)

DISCLAIMER OF LIABILITY: The following supersedes any related provision in your company's forms, letters, and agreements from, by or with 3D Systems Corporation. 3D Systems, Inc. makes no warranty whether expressed or implied, including warranties of merchantability or of fitness for a particular purpose for this product. No statements or recommendations contained in the product literature are to be construed as inducements to infringe any relevant patent now or hereafter in existence. Under no circumstances shall 3D Systems, Inc. be liable for incidental, consequential, or other damages from alleged negligence, breach of warranty, strict liability or any other theory, arising out of the use or handling of this product. The sole liability of 3D Systems, Inc. for any claims arising out of the manufacture, use or sale of its products shall be for the buyer's purchase price.

The contents of this safety data sheet are subject to change without notice. 3D Systems, Inc. recommends that you periodically check www.3dsystems.com to make sure you are using the most current safety data sheet.