

## Safety Data Sheet

### VisiJet<sup>®</sup> M3-X

Revision Date: December 07, 2021

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

##### 1.1 Identification of the mixture: VisiJet<sup>®</sup> M3-X

**1.2 Use of the preparation:** For use with ProJet<sup>®</sup> SD, HD, HD+, HDMax, 3500, 3510 and 3600 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

3D Systems Europe Ltd.  
200 Maylands Avenue  
Hemel Hempstead  
Herts, HP2 7TG United Kingdom  
Phone: +44 144-2282600  
e-mail: moreinfo@3dsystems.com

3D Systems Asia-Pacific  
30-32 Ceylon St  
Nunawading VIC 3131  
Australia  
+61 3 9819 4422  
e-mail: moreinfo@3dsystems.com

##### 1.4. Emergency telephone number:

U.S.A.:  
Chemical Emergency:  
800.424.9300 – Chemtrec

Europe:  
Chemical Emergency:  
+1 703.527.3887 - Chemtrec

Australia:  
Chemical Emergency:  
+(61) 29037.2994 – Aus Chemtrec

#### 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 Label Elements

Regulation (EC) No, 1272/2008:

**Hazard pictograms and signal word:** None

**Hazard statements:** None

##### Precautionary statements:

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

#### 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
Phenylbis (2,4,6-trimethyl benzoyl)- phosphine oxide	162881-26-7	423-340-5	0.1-0.5	Skin Sens.1, H317 Aqu. Chron. 4, H 413

#### 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:** Move affected person to fresh air. If respiratory irritation occurs, if breathing becomes difficult seek medical attention immediately.

## Safety Data Sheet

### VisiJet® M3-X

Revision Date: December 07, 2021

---

**4.3 In case of skin contact:** Immediately flush skin with plenty of soap and water. Get medical attention if symptoms occur.

**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:** If ingested, drink plenty of water and seek immediate medical attention. Do not induce vomiting.

---

## 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<sub>2</sub>, CO, NO<sub>x</sub> 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.

**6.2 Environmental precautions:** Stop the flow of material. 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:

### 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.

## Safety Data Sheet

### VisiJet® M3-X

Revision Date: December 07, 2021

**Personal protection equipment:**

**Respiratory protection:** If ventilation cannot effectively keep vapor concentrations below established limits, appropriate certified respiratory protection must be provided.

**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

<b>Appearance</b>	-
<b>Physical state</b>	soft solid to paste
<b>Form</b>	Not available
<b>Color</b>	Color less
<b>Odor</b>	Mild acrylate
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point/freezing point (°C)</b>	55-65
<b>Initial boiling point and boiling range (°C)</b>	Not available
<b>Flash point (°C)</b>	179°C (COC)
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Relative density (g/cm<sup>3</sup>)</b>	1.1
<b>Upper/lower flammability or explosive limits</b>	-
<b>Flammability limit - lower (%)</b>	Not available
<b>Flammability limit - upper (%)</b>	Not available
<b>Explosive limit - lower (%)</b>	Not available
<b>Explosive limit - upper (%)</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Solubility(ies)</b>	-
<b>Solubility (water)</b>	slightly soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature (°C)</b>	Not available
<b>Decomposition temperature (°C)</b>	Not available
<b>Viscosity (cPs)</b>	13 (80°C)
<b>Other information</b>	-
<b>Oxidizing properties</b>	Not available
<b>VOC (g/L)</b>	Not available

#### 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

## Safety Data Sheet

### VisiJet<sup>®</sup> M3-X

Revision Date: December 07, 2021

#### 11.2 Acute effects (toxicity tests)

Component	LD <sub>50</sub> Oral	LD <sub>50</sub> Dermal
Phenylbis (2,4,6-trimethyl benzoyl)- phosphine oxide	>2000 mg/kg	>2000 mg/kg

#### 11.3 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. Prevent contamination of soil, drains and surface waters.

Component	Data
Phenylbis (2,4,6-trimethyl benzoyl)- phosphine oxide	EC50 > 1.175 mg/L 48 hour (Daphnia magna) LC50 > 0.09 mg/L 96 hour (Zebra fish)

**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 Appropriate packaging:** NA

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

## 14. TRANSPORT INFORMATION

#### 14.1 DOT:

UN-No.: Not Regulated  
UN Proper Shipping Name:  
Transport hazard class(es)  
Class: Not Available  
Subsidiary risk: -  
Packing group: Not available  
Environmental Hazard:  
Marine pollutant: no  
Special Precautions for user: Not applicable

#### 14.3 IATA:

UN-No.: Not Regulated  
UN Proper Shipping Name:  
Transport hazard class(es)  
Class: Not Available  
Subsidiary risk: -  
Packing group: Not available  
Environmental Hazard: No  
Special Precautions for user: Not Available

## Safety Data Sheet

### VisiJet® M3-X

Revision Date: December 07, 2021

#### 14.2 IMDG:

UN-No.: Not Regulated  
UN Proper Shipping Name:  
Transport hazard class(es)  
    Class: Not Available  
    Subsidiary risk: -  
Packing group: Not available  
Environmental Hazard:  
    Marine pollutant: No  
EmS: Not Available

#### 14.1 ADR:

UN-No.: Not Regulated  
UN Proper Shipping Name:  
Transport hazard class(es)  
    Class: Not Available  
    Subsidiary risk: -  
    Hazard No (ADR): Not available  
    Tunnel restriction code : Not available  
Packing group: Not available  
Environmental Hazard: No  
Special Precautions for user: Not available

## 15. REGULATORY INFORMATION

### 15.1. European Union Regulation:

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Persistent Organic Pollutants**

Not applicable

#### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

#### **Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Other EU regulations**

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended.**

Not listed

#### **National regulations:**

**German Water Hazard Class (WGK):** WGK2 (hazard to waters)

### 15.2. Chemical safety assessment

**Chemical Safety Report** - No information available

### 15.3 US FEDERAL

**TSCA:** All components listed on Active TSCA Inventory or exempt from listing.

**TSCA - 5(a) Significant New Use Rule List of Chemicals:** None

**US. Toxic Substances Control Act (TSCA) Section 12(b):** None

**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

**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

#### **California Prop. 65 Components:**

**WARNING:** This product can expose you to chemicals known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### **Chemical Name**

Toluene

#### **CAS Number**

108-88-3

## Safety Data Sheet

### VisiJet® M3-X

Revision Date: December 07, 2021

**15.4 International regulations:** All components of this product are registered or exempt from registration according to chemical regulations in Australia, Canada, China, European Union, Japan, New Zealand, South Korea, Philippines. Switzerland, Taiwan, United Kingdom and United States.

#### 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	Category 4, Class 3, oil
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):

H317: May cause an allergic skin reaction  
H413: May cause long lasting harmful effects to aquatic life

### 16.2 Further information:

SDS Creation Date: ..... November 30, 2012  
SDS Revision #: ..... -04-A  
SDS Revision Date: ..... December 07, 2021  
Reason for Revision: ..... Update header, sections 1, 2, 9, 14, 15.

[www.3dsystems.com](http://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](http://www.3dsystems.com) to make sure you are using the most current safety data sheet.

© Copyright 2012 - 2021 by 3D Systems, Inc. All rights reserved. 3D Systems, the 3D logo, VisiJet and ProJet are registered trademarks of 3D Systems, Inc.