

Safety Data Sheet

VisiJet[®] M2 Sup

Revision Date: July 15, 2021

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

1.1 Identification of the substance or preparation: VisiJet[®] M2 Sup

1.2 Use of the substance / preparation: For use with ProJet[®] 2500 systems

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

GHS : Regulation (EC) No. 1272/2008, 29 CFR 1910:

Physical Hazard:

None

Health Hazard:

None

Environmental Hazard:

| | | |
|--------------------------|------------|------|
| Chronic aquatic toxicity | Category 3 | H412 |
|--------------------------|------------|------|

2.2 Label Elements

Regulation (EC) No, 1272/2008:

Hazard pictograms and signal word: None

Hazard statements: None

Hazard determining components of labelling: None

Hazard statements:

H412: Harmful to aquatic life with long-lasting effect

Precautionary statements:

Prevention:

P273: Avoid release to the environment.

Response:

None

Storage:

None

Disposal:

P501: Dispose of contents/container in accordance with local/state/regional regulations.

Safety Data Sheet

VisiJet[®] M2 Sup

Revision Date: July 15, 2021

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Preparation related information

Description: Organic mixture

3.2 Mixtures

| Chemical name | CAS-No | EC-No | % | Classification |
|--------------------|-------------|-------------|---------|-----------------------------------|
| | | | | Regulation (EC) 1272/2008 |
| Hydroxylated Wax | 112-92-5 | 204-017-6 | 60 - 90 | Not Classified |
| Butylated additive | Proprietary | Proprietary | 1-10 | Aquatic Chronic Category 1 - H410 |

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.

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 CO₂, 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.

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.

7. HANDLING AND STORAGE

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

Safety Data Sheet

VisiJet® M2 Sup

Revision Date: July 15, 2021

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

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 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 respiratory protection must be provided (e.g. 3M 6000 with organic vapor cartridge A2 or half mask 3M 4251).

Hand protection: Use impervious nitrile gloves.

Eye protection: Wear chemical goggles

Body protection: Use apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------------------------|----------------------|
| Appearance | - |
| Physical state | Solid |
| Form | Not available |
| Color | White |
| Odor | Mild |
| Odor threshold | Not available |
| pH | Not available |
| Melting point/freezing point (°C) | 55-65 |
| Initial boiling point and boiling range (°C) | Not available |
| Flash point (°C) | 185 (COC) |
| Evaporation rate | Not available |
| Flammability (solid, gas) | Not available |
| Relative density (g/cm³) | 0.85-0.91 |
| Upper/lower flammability or explosive limits | - |
| Flammability limit - lower (%) | Not available |
| Flammability limit - upper (%) | Not available |
| Explosive limit - lower (%) | Not available |
| Explosive limit - upper (%) | Not available |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Solubility(ies) | - |
| Solubility (water) | insoluble |
| Partition coefficient (n-octanol/water) | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature (°C) | Not available |
| Viscosity (cPs) | 13 (80°C) |
| Other information | - |
| Oxidizing properties | Not available |
| VOC (g/L) | 69.3 (EPA Method 24) |

Safety Data Sheet

VisiJet[®] M2 Sup

Revision Date: July 15, 2021

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.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicokinetics, metabolism and distribution: NA

11.2 Acute effects (toxicity tests)

| Component | LD ₅₀ Oral | LD ₅₀ Dermal |
|------------------|-----------------------|-------------------------|
| Hydroxylated Wax | 20'000 mg/kg (rats) | 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

12. Ecological information

12.1 Ecotoxicity: The aquatic toxicity of the product is unknown; however based on the components, it is predicted that the product is not harmful to the aquatic environment.

Component Analysis - Ecotoxicity - Aquatic Toxicity:

| Component | Data |
|------------------|--------------------------------------------------------------------------------------------|
| Hydroxylated Wax | LC50 (48h)- 1700 mg/l (daphnia) EC50 (96h) – 235 mg/l (Scenedesmus subspicatus (algae)) |

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.

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: Not Applicable

13.3 Appropriate packaging: None

13.4 Additional information: None

Safety Data Sheet

VisiJet[®] M2 Sup

Revision Date: July 15, 2021

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
- 14.4 US Department of Transportation (DOT): Not Regulated

15. REGULATORY INFORMATION

15.1. European Union Regulations:

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): WGK1 (low hazard to waters)

15.2. Chemical safety assessment

Chemical Safety Report - No information available

15.3 US FEDERAL

TSCA: All components listed 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

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, South Korea, New Zealand, Philippines, Switzerland, Taiwan and United States.

15.5 South Korea regulations

All chemical ingredients in this formulation are registered or exempt from registration under South Korean chemical regulations.

A. Restrictions under the Industrial Safety and Health Law

Harmful Substances Requiring Permission for Manufacture or Use: Not regulated.

Controlled Hazardous Substances: Not regulated.

Harmful Substances Requiring Special Medical Examination: Not regulated.

Workplace Environmental Monitoring Harmful Materials: Not regulated.

Occupational Exposure Limit: Not regulated.

Safety Data Sheet

VisiJet[®] M2 Sup

Revision Date: July 15, 2021

B. Restrictions under the Chemicals Control Law (Previously Toxic Chemicals Control Law)

Accidental Release Prevention Substances: Not regulated.

Observational Chemicals: Not regulated.

C. Restrictions under the Dangerous Substance Safety Management Act

Not regulated

D. Restrictions under the Wastes Control Act

Halogenated Materials in Waste Organic Solvents: Not regulated.

Hazardous Substances: Not regulated.

E. Restrictions under other foreign or domestic laws

Clean Air Conservation Act

Air Pollutants: Not regulated.

Specific Air Pollutants: Not regulated.

Act on the Registration and Evaluation of Chemicals

Banned Toxic Chemicals: Not regulated.

Designated Existing Chemicals Subject to Registration (PEC) (MoE No. 2015-92): Not listed.

Restricted Chemical Substances: Not regulated.

Toxic Chemicals: Not regulated

15.6 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 (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

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):**

H410: Very toxic to aquatic life with long-lasting effects

H412: Harmful to aquatic life with long-lasting effects

SDS Creation Date:December 30, 2015

SDS Revision #:-05-A

SDS Revision Date:July 15, 2021

Reason for Revision:Update section 9.

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)



Safety Data Sheet

VisiJet® M2 Sup

Revision Date: July 15, 2021

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 Corporation 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 Corporation be liable for incidental, consequential, special, or other damages from alleged negligence, breach of warranty, strict liability, or any other theory, arising out of the manufacture, use, sale, or handling of this product. In no event shall the liability of 3D Systems Corporation for any claims arising out of the manufacture, use, handling, or sale of its products exceed an amount equal to 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.

© Copyright 2015 - 2021 by 3D Systems, Inc. All rights reserved. 3D Systems, the 3D logo, VisiJet and ProJet are registered trademarks of 3D Systems, Inc.