

Safety Data Sheet

VisiJet® Wax Jewel Red

Revision Date: August 17, 2021

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

1.1 Identification of the substance or preparation: VisiJet® Wax Jewel Red

1.2 Use of the substance / preparation: for use in ProJet® Production Modeling 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:

None

2.2 Label Elements

Regulation (EC) No, 1272/2008:

Hazard pictograms and signal word:

Hazard pictogram: None

Signal word: None

Hazard determining components of labelling:

None

Hazard statements:

None

Precautionary statements:

Prevention: None

Response: None

Storage: None

Disposal: None

Supplementary information:

Safety information:

Skin: Not expected to be absorbed through the skin. When heated, wax can cause skin burns.

Safety Data Sheet

VisiJet[®] Wax Jewel Red

Revision Date: August 17, 2021

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Preparation related information

Description: Organic mixture

3.2 Mixtures:

| Chemical name | % | Classification |
|---------------|------|---------------------------|
| | | Regulation (EC) 1272/2008 |
| Non-hazardous | 100% | Not classified |

4. FIRST AID MEASURES

4.1 General information: Contact with molten product may cause severe burns to skin and eyes.

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. Place material in an appropriate container for disposal.

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 dry, well-ventilated place.

Storage temperature: <35 °C (<95 °F).

Storage Class: LGK 13

Safety Data Sheet

VisiJet® Wax Jewel Red

Revision Date: August 17, 2021

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.

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 | Wax |
| Color | Red |
| Odor | None |
| Odor threshold | Not available |
| pH | Not applicable (Solid) |
| Relative density | 0.89 g/cm ³ |
| Melting point/freezing point (°C) | 62 |
| Initial boiling point and boiling range (°C) | 415-420 |
| Flash point (°C) | > 200 (Pensky Martens closed cup) |
| Evaporation rate | Not available |
| Flammability (solid, gas) | Not available |
| 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) | Not available |
| Solubility (water) | Insoluble |
| Partition coefficient (n-octanol/water) | Not available |
| Auto-ignition temperature (°C) | Not available |
| Decomposition temperature (°C) | 507 |
| Viscosity (cPs) | 8 (@ 96 °C) |
| Other information | Not available |
| Oxidizing properties | Not available |
| VOC (g/L) | 0 (EPA Method 24) |

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid: None known.

10.2 Materials to avoid: Avoid strong oxidizing agents.

Safety Data Sheet

VisiJet[®] Wax Jewel Red

Revision Date: August 17, 2021

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)

Acute toxicity: Not available

Oral LD50: Not available

Irritant and corrosive effects: Not available

Irritation to respiratory tract: Not available

Sensitisation: Not available NA

11.3 Experiences made in practice

Observations relevant to classification: Not available

Other observations: Not available

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: 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.

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: 07 01 99

13.3 Appropriate packaging: Not available

13.4 Additional information: Not available

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 Available

Safety Data Sheet

VisiJet[®] Wax Jewel Red

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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

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

Further information: Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

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): Non-hazardous to waters

15.2. Chemical safety assessment

Chemical Safety Report - No information available

Safety Data Sheet

VisiJet® Wax Jewel Red

Revision Date: August 17, 2021

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: No listed ingredients

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

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

SDS Creation Date:March 3, 2021

SDS Revision #:.....-01

SDS Revision Date:August 17, 2021

Reason for Revision:.....Update section 1, 7, 9, 13, 15.

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