

Issuing Date 30-Dec-2015

Revision date 29-Mar-2024

Revision Number 1.02

**Section 1: Identification: Product identifier and chemical identity****Product identifier****Product Name** VisiJet® M2 Sup**Product Code(s)** 24224**Other means of identification****Pure substance/mixture** Mixture**Recommended use of the chemical and restrictions on use****Recommended use** For use with ProJet® 2500 Systems.**Uses advised against** No information available.**Details of manufacturer or importer****Manufacturer**3D Systems Asia-Pacific Pty Ltd  
PO BOX 108, Forest Hill, VIC 3131, AustraliaFor further information, please contact**Company Phone Number** +61 3 9819 4422**E-mail address** moreinfo@3dsystems.com**Emergency telephone number****Emergency telephone number** +(61) 29037.2994 – Aus Chemtrec**Section 2: Hazard(s) identification****GHS Classification**

<b>Chronic aquatic toxicity</b>	Category 3
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**Label elements****Hazard statements**

Harmful to aquatic life with long lasting effects

**Precautionary Statements - Prevention**

Avoid release to the environment

**Precautionary Statements - Response**

None

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards which do not result in classification**

Not expected to be absorbed through the skin.

When heated, wax can cause skin burn.

Get medical attention if irritation or other symptoms occur.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Section 3: Composition/information on ingredients**

The product contains no substances which at their given concentration, are considered to be hazardous to health

Chemical name	CAS No	Weight-%
Hydroxylated Wax	112-92-5	<100
Butylated hydroxytoluene	128-37-0	< 2.5

**Section 4: First aid measures****Description of first aid measures**

<b>Inhalation</b>	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	After contact with molten product, cool skin area rapidly with cold water. Do not attempt to peel material from skin. The use of vegetable oil or mineral oil is recommended for removal of this material from the skin. Get immediate medical advice and attention.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	No information available.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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**Section 5: Firefighting measures****Suitable Extinguishing Media**

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical**

<b>Specific hazards arising from the chemical</b>	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
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**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Hydrocarbons. Carbon monoxide.

**Special protective actions for fire-fighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **Section 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

**Methods for cleaning up** Where possible allow molten material to solidify naturally. Scrape the material loose from the floor if necessary and vacuum or sweep the solid material into a closed container. Use spark-proof tools and explosion-proof equipment. Avoid generation of dust. Use of a dust mask is recommended during cleaning surfaces with dust. Place spilled material in a designated, labeled waste container.

**Precautions to prevent secondary hazards**

**Prevention of secondary hazards** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **Section 7: Handling and storage, including how the chemical may be safely used**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store at temperatures not exceeding 35 °C/ 95 °F.

**Incompatible materials** None known based on information supplied.

## **Section 8: Exposure controls/personal protection**

**Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	Australia	New Zealand	ACGIH TLV
Butylated hydroxytoluene 128-37-0	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> inhalable fraction and vapor

Chemical name	European Union	United Kingdom	Germany DFG
Butylated hydroxytoluene 128-37-0	-	TWA: 10 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> Peak: 40 mg/m <sup>3</sup>

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

#### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Hand protection** Heat resistant gloves are recommended when handling molten materials.

**Respiratory protection** Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental exposure controls** No information available.

**Thermal hazards** No information available.

## **Section 9: Physical and chemical properties**

#### Information on basic physical and chemical properties

**Physical state** Solid  
**Appearance** No information available  
**Color** White  
**Odor** Slight.  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	-
Melting point / freezing point	55 - 65 °C	-
Boiling point / boiling range	307 °C	-
Flash point	190 °C	Pensky-Martens Closed Cup (PMCC)
Evaporation rate	No data available	-
Flammability (solid, gas)	No data available	-
Flammability Limit in Air	-	-
Upper flammability or explosive limits	-	-
Lower flammability or explosive limits	-	-
Vapor pressure	No data available	-
Relative vapor density	No data available	-
Relative density	0.85 - 0.91g/cm <sup>3</sup>	-
Water solubility	Insoluble in water	-

<b>Solubility(ies)</b>	No data available	-
<b>Partition coefficient</b>	No data available	-
<b>Autoignition temperature</b>	No data available	-
<b>Decomposition temperature</b>	341 °C	-
<b>Kinematic viscosity</b>	No data available	-
<b>Dynamic viscosity</b>	13 (@80 °C) mPa s	-
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

#### Other information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available
<b>Particle characteristics</b>	-

## Section 10: Stability and reactivity

### Reactivity

<b>Reactivity</b>	No information available.
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### Chemical stability

<b>Stability</b>	Stable under normal conditions.
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### Explosion data

<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.

### Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	None under normal processing.
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### Conditions to avoid

<b>Conditions to avoid</b>	None known based on information supplied.
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### Incompatible materials

<b>Incompatible materials</b>	None known based on information supplied.
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### Hazardous decomposition products

<b>Hazardous decomposition products</b>	None known based on information supplied.
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## Section 11: Toxicological information

### Acute toxicity

### Information on likely routes of exposure

#### **Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
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**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

**Symptoms** No information available.

#### **Numerical measures of toxicity - Product Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydroxylated Wax	> 5 g/kg ( Rat )	> 3 g/kg ( Rabbit )	-
Butylated hydroxytoluene	> 2930 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-

See section 16 for terms and abbreviations

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

Chemical name	Australia	European Union	IARC
Butylated hydroxytoluene - 128-37-0	-	-	Group 3

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## **Section 12: Ecological information**

### **Ecotoxicity**

**Aquatic ecotoxicity** Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydroxylated Wax	EC50: =235mg/L (96h, Desmodesmus subspicatus)	LC50: >10000mg/L (96h, Brachydanio rerio)	-	EC50: =1666mg/L (48h, Daphnia magna)
Butylated hydroxytoluene	EC50: =6mg/L (72h, Pseudokirchneriella subcapitata) EC50: >0.42mg/L (72h, Desmodesmus subspicatus)	-	-	-

**Terrestrial ecotoxicity** There is no data for this product.

#### Persistence and degradability

**Persistence and degradability** No information available.

#### Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

Chemical name	Partition coefficient
Hydroxylated Wax	7.4
Butylated hydroxytoluene	5.1

#### Mobility

**Mobility** No information available.

#### Other adverse effects

**Other adverse effects** No information available.

### Section 13: Disposal considerations

#### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

See section 8 for more information

### Section 14: Transport information

**ADG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
No information available

## Section 15: Regulatory information

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

#### National regulations

##### Australia

See section 8 for national exposure control parameters

##### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

No poisons schedule number allocated

##### **Illicit Drug Precursors/Reagents**

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

#### International Inventories

<b>TSCA</b>	All ingredients are listed (Active) or exempt.
<b>DSL/NDSL</b>	All ingredients are listed or exempt.
<b>EINECS/ELINCS</b>	All ingredients are listed or exempt.
<b>ENCS</b>	All ingredients are listed or exempt.
<b>IECSC</b>	All ingredients are listed or exempt.
<b>KECL</b>	All ingredients are listed or exempt.
<b>PICCS</b>	All ingredients are listed or exempt.
<b>AICS</b>	All ingredients are listed or exempt.
<b>TCSI</b>	All ingredients are listed or exempt.
<b>NZIoC</b>	All ingredients are listed or exempt.

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**TCSIL** - Taiwan Inventory of Chemical Substances



NZIoC - New Zealand Inventory of Chemical Substances

**Section 16: Any other relevant information**

Issuing Date 30-Dec-2015

Revision date 29-Mar-2024

**Revision Note**

\*\*\*Indicates updated data since last publication.

**Key or legend to abbreviations and acronyms used in the safety data sheet**Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
Australian Industrial Chemicals Introduction Scheme (AICIS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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**End of Safety Data Sheet**