

Section 1: Identification: Product identifier and chemical identity**Product identifier****Product Name** VisiJet® M2 Cast/ VisiJet® M3 Cast**Product Code(s)** 24215**Other means of identification****Pure substance/mixture** Mixture**Recommended use of the chemical and restrictions on use****Recommended use** VisiJet® M2 Cast is for use in the ProJet® 2500W Modeling System.
VisiJet® M3 Cast is for use in the ProJet® 3500, 3510, 3600W and 3600W Max Production Modeling Systems.**Uses advised against** Any non-intended use.**Details of manufacturer or importer****Manufacturer**3D Systems Asia-Pacific Pty Ltd
PO BOX 108, Forest Hill, VIC 3131, Australia**For 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**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Label elements**Hazard statements**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Precautionary Statements - Prevention

None

Precautionary Statements - Response

None

Precautionary Statements - Disposal

None

Other hazards which do not result in classification

Use with local exhaust ventilation.
 Not expected to be absorbed through the skin.
 When heated, wax can cause skin burn.
 Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
 May be harmful in contact with skin.

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-%
Paraffin wax	8002-74-2	90 - 100

Section 4: First aid measures

Description of first aid measures

Inhalation	Ensure adequate ventilation. Avoid breathing vapors or mists. Call a POISON CENTER or doctor/physician if you feel unwell.
Eye contact	Avoid contact with eyes. Do not rub affected area. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin contact	After contact with molten product, cool skin area rapidly with cold water. Get immediate medical advice and attention.
Ingestion	May be harmful if swallowed. Wash out mouth with water, remove dentures if any. If swallowed, call a poison control center or physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: Firefighting measures

Suitable Extinguishing Media

Suitable extinguishing media	Dry chemical, CO2 or water spray.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the chemical Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Hazardous combustion products Hydrocarbons. Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Wear self contained breathing apparatus for fire fighting if necessary. Cool drums with water spray.

Section 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing (dust, vapor, mist, gas).

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 Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable. Dike far ahead of spill; use dry sand to contain the flow of material. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources if safe to do so. Avoid generation of dust.

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. Vacuum or sweep material and place in a disposal 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 Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Keep away from heat and sparks - No Smoking. Use personal protection recommended in Section 8. When using do not eat or drink.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep only in the original container. Keep containers tightly closed in a cool, well-ventilated place.
Store at temperatures not exceeding 35 °C/ 95 °F.

Incompatible materials Strong oxidizing agents, strong acids, and strong bases.

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
Paraffin wax 8002-74-2	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³ fume

Chemical name	European Union	United Kingdom	Germany DFG
Paraffin wax 8002-74-2	-	TWA: 2 mg/m ³ STEL: 6 mg/m ³	-

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 Recommend users establish appropriate engineering control measures, including but not limited to local exhaust ventilation, in rooms/areas where printers are installed and in post-processing areas, to minimize inhalation exposure.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection Avoid contact with eyes, skin and clothing.

Hand protection Impervious gloves.

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

Environmental exposure controls Do not allow to enter into soil/subsoil. Avoid release to the environment.

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 purple

Odor Mild Acrylic.

Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	-
Melting point / freezing point	60-70 °C	-
Boiling point / boiling range	No data available	-
Flash point	255 °C	Cleveland Open Cup
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	0.85-0.91	-
Water solubility	Insoluble in water	-
Solubility(ies)	No data available	-
Partition coefficient	No data available	-
Autoignition temperature	No data available	-
Decomposition temperature	No information available	-
Kinematic viscosity	No data available	-
Dynamic viscosity	13 (@80°C) mPa s	-
Explosive properties	No information available	
Oxidizing properties	No information available	

Other information

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

Section 10: Stability and reactivity

Reactivity

Reactivity Stable under normal conditions.

Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

Conditions to avoid Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials

Incompatible materials Strong oxidizing agents, strong acids, and strong bases.

Hazardous decomposition products

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors. May

emit toxic fumes under fire conditions. Carbon dioxide (CO₂). Carbon monoxide.
Hydrocarbons.

Section 11: Toxicological information

Acute toxicity

Information on likely routes of exposure

Product Information

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

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

Skin contact May be harmful in contact with skin.

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
Paraffin wax	> 5000 mg/kg (Rat)	> 3600 mg/kg (Rabbit)	-

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.

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

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.

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 Reduce waste by attempting to utilize product completely. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

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

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

Revision date

21-Feb-2024

Revision Note

***Indicates updated data since last publication.

Key or legend to abbreviations and acronyms used in the safety data sheetLegend 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

Disclaimer

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.

© Copyright 2016 - 2024 by 3D Systems, Inc. All rights reserved. 3D Systems, the 3D logo, VisiJet and ProJet are registered trademarks of 3D Systems, Inc.

End of Safety Data Sheet