

Section 1: Identification: Product identifier and chemical identity**Product identifier****Product Name** VisiJet® Wax Jewel Ruby**Product Code(s)** 24257**Other means of identification****Pure substance/mixture** Mixture**Recommended use of the chemical and restrictions on use****Recommended use** For use with ProJet® 2500W 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, 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****Label elements****Signal word**

None

Hazard statements

None

Precautionary Statements - Prevention

None

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-%
Parafin wax	8002-74-2	<100

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

Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	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.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

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 Carbon dioxide (CO₂). 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 Prevent further leakage or spillage if safe to do so.

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. Place spilled material in a designated, labeled waste container. Avoid breathing fumes from hot material. May cause respiratory irritation. IF exposed or concerned: Get medical advice/attention. In case of insufficient ventilation, wear suitable respiratory equipment.

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
---------------	-----------	-------------	-----------

Parafin 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
Parafin 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 Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Heat resistant gloves are recommended when handling molten materials.
Use of a dust mask is recommended during cleaning surfaces with dust or when dust generation is a possibility during sanding or grinding operations.

Hand protection Impervious gloves.
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 red
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	58 - 62 °C	-
Boiling point / boiling range	391 °C	-
Flash point	264 °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	No data available	-

Water solubility	Insoluble in water	-
Solubility(ies)	No data available	-
Partition coefficient	No data available	-
Autoignition temperature	No data available	-
Decomposition temperature	424 °C	-
Kinematic viscosity	No data available	-
Dynamic viscosity	12 (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	0.892 g/cm ³ °C
Bulk density	No information available
Particle characteristics	-

Section 10: Stability and reactivity**Reactivity**

Reactivity No information available.

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 None known based on information supplied.

Incompatible materials

Incompatible materials None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

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	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
Parafin 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	Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met.
----------------------------	--

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 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

TSCA	All ingredients are listed (Active) 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

Issuing Date 30-Dec-2015

Revision date 13-Oct-2023

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

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 2023 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