



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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R&R 3D Model Elite™ resin

Revision 0
Revision date 2024-11-18

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	R&R 3D Model Elite™ resin
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1.3. Details of the supplier of the safety data sheet

Company	Ransom & Randolph
Address	3535 Briarfield Boulevard Maumee, Ohio 43537 USA
Web	www.ransom-randolph.com
Telephone	+1 (419) 865-9497
Fax	+1 (419) 865-9997
Email	SDS@ransom-randolph.com
Email address of the competent person	rcarter@ransom-randolph.com

1.4. Emergency telephone number

Emergency telephone number	USA +1 419 865 9497
Company	Ransom & Randolph Co. 08:00-17:00 (US Eastern Std. / GMT minus 5) For medical advice contact: NHS 111 in England: 111 NHS 24 in Scotland: 111 NHS Direct in Wales: 111 or 0845 4647

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335; Repr. 2: H361f;
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2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.



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2.2. Label elements

Precautionary Statement: Prevention	Repr. 2: H361f - Suspected of damaging fertility.
	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash affected area thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P312 - Call a POISON CENTER/doctor/ physician /if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to local and national regulations

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
2,2-bis[4-(2-ethoxy-3-methacryloyloxypropoxy)phenyl]propane		41637-38-1				Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335; Repr. 2: H361f;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	IF exposed or concerned: Get medical advice/attention.
Eye contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin contact	Wash with soap and water.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	May cause an allergic skin reaction.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Extinguishing media. Foam. Dry chemical. Carbon dioxide (CO2). Do NOT use water jet.
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5.2. Special hazards arising from the substance or mixture

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5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep personnel away from spill. Wear suitable protective clothing.

6.2. Environmental precautions

Do not allow runoff water to enter sewers or drains.

6.3. Methods and material for containment and cleaning up

To clean the floor and all objects contaminated by this material, use absorbant material (e.g. diatomaceous earth).

6.4. Reference to other sections

See section 8 and 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood.
Wash hands after handling the product.
Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Suitable packaging Keep container tightly closed. Store at temperatures between 15 °C and 30 °C.**SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

Use in closed process, no likelihood of exposure.

8.2. Exposure controls

**Eye / face protection**

Eye protection. Wear suitable protective clothing, gloves and eye/face protection.

**Skin protection -
Handprotection**

Wear suitable gloves.

Skin protection - Other

Wash hands after handling the product.

Respiratory protection

Not normally required.

Further information

See section 7 for further information.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Various
Odour	Odourless
pH	Not applicable.
Melting point	Not applicable.
Initial boiling point	Not applicable.
Relative Vapour Density	Not applicable.
Density / Relative Density	Not applicable.
Explosive properties	>
Flash point	> 100 °C
Solubility	Insoluble in water

9.2. Other information

Specific gravity	1 - 1.1 g/cm ³
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SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Will not decompose if stored and used as recommended.
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10.3. Possibility of hazardous reactions

	May polymerize.
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10.4. Conditions to avoid

	Stable under normal conditions. May polymerize. when beyond expiry date and/or storage temperature is considerably exceeded. When heated to temperatures above 100 °C product can form flammable vapors, which can mix with air and can burn or be explosive..
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10.5. Incompatible materials

	Strong oxidising agents. Reducing agents.
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10.6. Hazardous decomposition products

	Carbon oxides. when burned.
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SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	Possible irritant. See section 2 for further information.
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Irritating to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Aspiration hazard	None.

11.1.4. Toxicological Information

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11.1.4. Toxicological Information

2,2-bis[4-(2-ethoxy-3-methacryloyloxypropoxy)phenyl]propane	Oral Rat LD50: 2000
R&R 3D Model Elite™ resin	Oral Rat LD50: 2000

SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.2. Persistence and degradability

	Not readily biodegradable.
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12.3. Bioaccumulative potential

	No data available.
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12.4. Mobility in soil

	No data available.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.7 Other adverse effects

	German Water Hazard Class (WGK) Rating: 1. Water hazard class 1 (self assessment) : slightly hazardous for water. Harmful to aquatic organisms. Do not allow runoff water to enter sewers or drains.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Do not allow product to enter drains. Dispose of in compliance with all national, state, and local regulations.
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Disposal methods

	Cure material before disposal. Dispose of in compliance with all national, state, and local regulations.
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Disposal of packaging

	Rinse with alcohol.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations All ingredients are listed in TSCA.

SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	<p>Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Repr. 2: H361f - Suspected of damaging fertility.</p>
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Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.