



# SAFETY DATA SHEET

according to Regulation (EU) 2020/878

Page 1/5

## R&R 3D Model Standard™ 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 Standard™ resin
--------------	------------------------------

#### 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;
--------------------------------------	---

#### 2.2. Label elements

Hazard pictograms	
-------------------	---

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## R&amp;R 3D Model Standard™ resin

Revision 0  
Revision date 2024-11-18

## 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.
--------------	--------------------------------------

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Extinguishing media. Foam. Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Do NOT use water jet.
--	--

## 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.
--------------------	---

## R&amp;R 3D Model Standard™ resin

Revision 0  
Revision date 2024-11-18**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**

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

**9.2. Other information**Specific gravity 1 - 1.1 g/cm<sup>3</sup>**SECTION 10: Stability and reactivity****10.1. Reactivity**

Stable under normal conditions.

**10.2. Chemical stability**

Will not decompose if stored and used as recommended.

**10.3. Possibility of hazardous reactions**

May polymerize.

**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

## R&amp;R 3D Model Standard™ resin

Revision 0  
Revision date 2024-11-18

## 10.4. Conditions to avoid

with air and can burn or be explosive..

## 10.5. Incompatible materials

Strong oxidising agents. Reducing agents.

## 10.6. Hazardous decomposition products

Carbon oxides. when burned.

## 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

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

## SECTION 12: Ecological information

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

Not readily biodegradable.

## 12.3. Bioaccumulative potential

No data available.

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

No data available.

## 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.

## 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.

## Disposal methods

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

## R&amp;R 3D Model Standard™ resin

Revision 0  
Revision date 2024-11-18

## Disposal of packaging

Rinse with alcohol.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 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

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.

## 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.