



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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RTV2 Silicone HT 45 Sea Blue - base

Revision 0
Revision date 2024-03-14

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

1.1. Product identifier

Product name	RTV2 Silicone HT 45 Sea Blue - base
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	silicone rubber pattern making.
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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)

SECTION 2: Hazards identification

2.2. Label elements

Precautionary Statement: Prevention	Non hazardous
Precautionary Statement: Response	Non hazardous
Hazard Statement	No Significant Hazard

2.3. Other hazards

Other hazards	Not relevant. PBT and vPvB assessment. No endocrine disruptor substances present > or = 0.1%.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

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3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Octamethyl Cyclotetrasiloxane		556-67-2	209-136-7		0 - 0.5%	Flam. Liq. 3: H226; Repr. 2: H361f; Aquatic Chronic 4: H413;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	No irritation expected. Wash with soap and water.
Ingestion	No first aid requirements. Seek medical attention.

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

Inhalation	No known adverse health effects.
Eye contact	No known adverse health effects.
Skin contact	No known adverse health effects.
Ingestion	No known adverse health effects.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	No known adverse health effects.
Eye contact	No known adverse health effects.
Skin contact	No known adverse health effects.
Ingestion	No known adverse health effects.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	No Significant Hazard.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear suitable protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not let product contaminate subsoil.
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6.3. Methods and material for containment and cleaning up

	Wash with water.
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6.4. Reference to other sections

	See section 8 & 13 for further information.
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SECTION 7: Handling and storage

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7.1. Precautions for safe handling

	Avoid contact with eyes and skin.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep away from food, drink and animal feedingstuffs. Keep container in a well-ventilated place.
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7.3. Specific end use(s)

	silicone rubber pattern making.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Apron (Plastic or rubber).
Eye / face protection	In case of splashing, wear:.. Approved safety goggles.
Skin protection - Handprotection	Wear suitable gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Colourless
Odour	Odourless
Odour threshold	
pH	
Melting point	
Freezing Point	
Initial boiling point	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Vapour pressure	
Relative Vapour Density	
Density / Relative Density	1.1 (H2O = 1 @ 20 °C)
Fat Solubility	
Partition coefficient	
Autoignition temperature	
Viscosity	8500
Explosive properties	
Oxidising properties	
Solubility	Insoluble in water

9.2. Other information

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9.2. Other information

Conductivity	
Surface tension	
Gas group	
Benzene Content	
Lead content	
VOC (Volatile organic compounds)	

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	None.
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10.4. Conditions to avoid

	None.
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10.5. Incompatible materials

	None in particular.
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10.6. Hazardous decomposition products

	None.
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SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Repeated or prolonged exposure	Based on available data, the classification criteria are not met.

11.1.4. Toxicological Information

RTV2 Silicone HT 45 Sea Blue - base	Dermal Rat LD50: >2000 mg/kg	Oral Rat LD50: 4800 mg/kg
	Inhalation Rat LC50/4 h: 36 mg/l	

11.2 Information on other hazards

	No endocrine disruptor substances present > or = 0.1%.
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Revision date 2024-03-14**SECTION 12: Ecological information****12.1. Toxicity**

RTV2 Silicone HT 45 Sea Blue - base	Algae IC50/72h: 0.0022 mg/l	Fish LC50/96h: 0.0022 mg/l
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12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

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12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6 Endocrine disrupting properties

No endocrine disruptor substances present > or = 0.1%.

12.7 Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Dispose of in compliance with all. local and national regulations.

Disposal methods

Contact a licensed waste disposal company.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

Further information

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

SECTION 14: Transport information**Further information**

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	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and
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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	<p>Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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15.2. Chemical safety assessment

	Not required.
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SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	<p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Repr. 2: H361f - Suspected of damaging fertility.</p> <p>Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.</p>
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Further information

	<p>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.</p>
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