



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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RTV2 Silicone HT45 Sea Blue - catalyst

Revision 0
Revision date 2024-03-18

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

1.1. Product identifier

Product name	RTV2 Silicone HT45 Sea Blue - catalyst
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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.
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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;

The product is classified as non hazardous.

Particle Characteristics

The product is classified as non hazardous.

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.

5.2. Special hazards arising from the substance or mixture

No Significant Hazard.

5.3. Advice for firefighters

Self-contained breathing apparatus. Wear suitable protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment.

6.2. Environmental precautions

Do not let product contaminate subsoil.

6.3. Methods and material for containment and cleaning up

Wash with water.

6.4. Reference to other sections

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6.4. Reference to other sections

See section 8 & 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and animal feedingstuffs. Keep container in a well-ventilated place.

7.3. Specific end use(s)

silicone rubber pattern making.

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	Liquid
Colour	Translucent
Odour	Odourless
Odour threshold	Not applicable.
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	> 135 °C
Evaporation rate	Not applicable.
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Vapour pressure	No data available
Relative Vapour Density	No data available
Density / Relative Density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	= 8730 mPas (Cone & Plate)
Oxidising properties	No data available
Solubility	Insoluble in water

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9.2. Other information

Conductivity	No data available
Surface tension	No data available
Bulk Density	No data available
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	No data available

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 HT45 Sea Blue - catalyst	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

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11.2 Information on other hazards

No endocrine disruptor substances present > or = 0.1%.

SECTION 12: Ecological information

12.1. Toxicity

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Algae IC50/72h: 0.0022 mg/l

Fish LC50/96h: 0.0022 mg/l

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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catalyst

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

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)

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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.

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 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.

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.

15.2. Chemical safety assessment

Not required.

SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3

Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361f - Suspected of damaging fertility.
Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.

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.