



# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Lab-Flex™ 16 silicone rubber - catalyst USA.

Revision 0

Revision date 2022-06-20

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

#### 1.1. Product identifier

**Product name** Lab-Flex™ 16 silicone rubber - catalyst USA.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Product Use** [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites;

#### 1.3. Details of the supplier of the safety data sheet

**Company** Ransom & Randolph  
**Address** 3535 Briarfield Boulevard, PO Box 1570  
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** dyouel@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

#### 2.1. Classification of the substance or mixture

**2.1.2. Classification - EC 1272/2008** Repr. 2: H361;

#### 2.2. Label elements

**Hazard pictograms** This substance / mixture has been classified in accordance with the US Federal OSHA Hazard Communication Standard 29CFR 1910.1200. Substance concentration band-ranges are presented, and minor ingredient composition maybe withheld, to protect trade secrets.



**Signal Word** Warning

**Hazard Statement** Repr. 2: H361 - Suspected of damaging fertility or the unborn child .

**Precautionary Statement: Prevention** P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statement: Response** P308+P313 - IF exposed or concerned: Get medical advice/attention.

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## 2.2. Label elements

Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to local and national regulations

## 2.3. Other hazards

Other hazards	D4, D5 and D6 are present in small w/w %. PBT and vPvB assessment.  Product contains exposure limits: Octamethylcyclotetrasiloxane - D4 CAS 556-67-2 10 ppm TWA [DCC OEL].
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## 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
water/Non-Hazardous Ingredients					80 - 90%	
encapsulated silica - not breathable in normal use. If product is dry, then H372 & H350 in USA.		14464-46-1	238-455-4		1 - 10%	
Decamethylcyclopentasiloxan - D5		541-02-6	208-764-9		0 - 0.5%	
Dodecamethylcyclopentasiloxan - D6		540-97-6	208-762-8		0 - 0.5%	
Octamethylcyclotetrasiloxane. USA	014-018-00-1	556-67-2	209-136-7		0 - 0.5%	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	Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes. H361 - Suspected of damaging fertility or the unborn child .

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

## 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

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

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## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area.

### 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

### 6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

### 7.3. Specific end use(s)

Foundry material.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ensure adequate ventilation of the working area.

exposure limits: Octamethylcyclotetrasiloxane - D4 CAS 556-67-2 10 ppm TWA [DCC OEL].

### 8.2. Exposure controls



#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2. Individual protection measures

Wear protective clothing.

##### Eye / face protection

In case of splashing, wear:.. Approved safety goggles. EN166, ANSI Z87.1 or =.

##### Skin protection - Handprotection

Chemical resistant gloves (PVC). EN374, ASTM F1001 or =.

Wash hands after handling the product.

##### Respiratory protection

Not normally required.

## 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

<b>Appearance</b>	Liquid
<b>Colour</b>	White
<b>Odour</b>	Odourless
<b>pH</b>	Not determined
<b>Melting point</b>	Not applicable.
<b>Freezing Point</b>	Not determined
<b>Initial boiling point</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	No data available
<b>Fat Solubility</b>	Not applicable.
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	Not applicable.
<b>Viscosity</b>	No data available
<b>Oxidising properties</b>	Not applicable.
<b>Solubility</b>	Insoluble in water

## 9.2. Other information

<b>Conductivity</b>	Not applicable.
<b>Surface tension</b>	Not applicable.
<b>Gas group</b>	Not applicable.
<b>Benzene Content</b>	Not applicable.
<b>Lead content</b>	Not applicable.
<b>VOC (Volatile organic compounds)</b>	Not applicable.

## 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

	Avoid contact with: Oxidising agents.
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## 10.4. Conditions to avoid

	No Significant Hazard.
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## 10.5. Incompatible materials

	No data available.
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## 10.6. Hazardous decomposition products

	No data available.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No observed effect concentration.
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met.

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## 11.1. Information on toxicological effects

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.
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

	No data available
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## 11.1.12. Mixture versus substance information

	Octamethyl Cyclotetre siloxane - D4. Oral Rat LD50 = 4800 mg/kg. Inhalation Rat LC50/36 mg/l h = 4 hr.
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## SECTION 12: Ecological information

## 12.1. Toxicity

	No data available
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## 12.2. Persistence and degradability

	No data is available on this product.
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## 12.3. Bioaccumulative potential

	No data is available on this product.
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## Partition coefficient

	Lab-Flex™ 16 silicone rubber - No data available catalyst USA.
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## 12.4. Mobility in soil

	No data is available on this product.
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## 12.5. Results of PBT and vPvB assessment

	PBT d4, D5 and D6 components are. PBT. vPvB d4, D5 and D6 components are. vPvB.
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## 12.6. Other adverse effects

	No data is available on this product.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of in compliance with all. local and national regulations.
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## Disposal methods

	Contact a licensed waste disposal company.
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## Disposal of packaging

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

	Do not allow runoff water to enter sewers or drains.
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## 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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

<b>Regulations</b>	<p>U.S. FEDERAL REGULATIONS: Lab-Flex™ 16 silicone rubber – catalyst. CERCLA 103 Reportable Quantity: is subject to CERCLA reporting requirements. none</p> <p>Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.</p> <p>SARA TITLE III: Hazard Category For Section 311/312: reproductive toxicity Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None over threshold (De Minimis)</p> <p>Section 302 Extremely Hazardous Substances (TPQ): none Section 304 Extremely Hazardous Substances (RQ): none</p> <p>EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed or exempt on the TSCA inventory.</p> <p>U.S. STATE REGULATIONS</p> <p>California Proposition 65: WARNING: California Proposition 65: WARNING: This product can expose you to chemicals including silica, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.</p>
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## SECTION 16: Other information

### Other information

#### Text of Hazard Statements in Section 3

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,

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**Further information**

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	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.
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