



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Lab-Flex™ 16 silicone rubber - base USA

Revision 1
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 - base 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]. Encapsulated silica - not breathable in normal use. |
|---------------|---|

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% | |
| Octamethylcyclotetrasiloxane. USA | 014-018-00-1 | 556-67-2 | 209-136-7 | | 0.5 - 1% | Repr. 2: H361f; Aquatic Chronic 4: H413; |
| Decamethylcyclopentasiloxan - D5 | | 541-02-6 | 208-764-9 | | 0 - 0.5% | |
| Dodecamethylcyclopentasiloxan - D6 | | 540-97-6 | 208-762-8 | | 0 - 0.5% | |

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. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

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

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

9.2. Other information

| | |
|---|-----------------|
| Conductivity | Not applicable. |
| Surface tension | Not applicable. |
| Gas group | Not applicable. |
| Benzene Content | Not applicable. |
| Lead content | Not applicable. |
| VOC (Volatile organic compounds) | Not applicable. |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
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| | Avoid contact with: Oxidising agents. |
|--|---------------------------------------|

10.4. Conditions to avoid

| | |
|--|------------------------|
| | No Significant Hazard. |
|--|------------------------|

10.5. Incompatible materials

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

10.6. Hazardous decomposition products

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|--------------------------------------|---|
| Acute toxicity | No observed effect concentration. |
| 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. |

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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 |
|--|-------------------|

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. |
|--|---|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--|-------------------|
| | No data available |
|--|-------------------|

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

| | |
|--|--|
| | Lab-Flex™ 16 silicone rubber - No data available base USA |
|--|--|

12.4. Mobility in soil

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.5. Results of PBT and vPvB assessment

| | |
|--|---|
| | PBT d4, D5 and D6 components are. vPvB d4, D5 and D6 components are. |
|--|---|

12.6. 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. |
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Disposal methods

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

| | |
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| | 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****Regulations**

U.S. FEDERAL REGULATIONS: Lab-Flex™ 16 silicone rubber – base. CERCLA 103 Reportable Quantity: is subject to CERCLA reporting requirements. none

Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

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)

Section 302 Extremely Hazardous Substances (TPQ): none

Section 304 Extremely Hazardous Substances (RQ): none

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed or exempt on the TSCA inventory.

U.S. STATE REGULATIONS

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 www.P65Warnings.ca.gov.

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information**Other information****Revision**

This document differs from the previous version in the following areas:.

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Other information

| | |
|--|--|
| Text of Hazard Statements in Section 3 | 13 - Further information. |
| | 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. |
|--|--|