

SAFETY DATA SHEET

A-4125

SILICONE LSR ELASTOMER - TWO-PART 10:1 SYSTEM

SECTION 1: IDENTIFICATION

Product identifier: A-4125

Product name: Silicone Elastomer - two-part 10:1 system

Recommended use: Injection molding of healthcare and medical components.

Restrictions on use: Not for implantation in the body for more than 29 days.

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SECTION 2: HAZARD(S) IDENTIFICATION

This product is supplied as two separate components. The hazard classification of each component is shown below. Do not assume the classification of one part applies to the other part.

PART A - Hazard classification: Reproductive toxicity - Category 2.

Signal word: Warning

Pictogram: Health hazard (GHS08)

Hazard statement: Suspected of damaging fertility.

Precautionary statements: Use personal protective equipment as required. IF exposed or concerned: Get medical advice/attention.

PART B - Hazard classification: Reproductive toxicity - Category 1B.

Signal word: Danger

Pictogram: Health hazard (GHS08)

Hazard statement: H360Fd - May damage fertility. Suspected of damaging the unborn child.

Precautionary statements: P281 - Use personal protective equipment as required. P308+P313 - IF exposed or concerned: Get medical advice/attention.

Other hazards (Part B): Chemical compounds containing silicon-hydrogen bonds (SiH) may generate hydrogen gas. Refer to Section 10.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of polyorganosiloxanes. Part A contains fillers and additives. Part B contains the hazardous components listed below. Concentrations are percent by weight.

Component	Chemical identity	CAS No.	Concentration	Classification
Part A	Octamethylcyclotetrasiloxane	556-67-2	0.1 - <1%	Reproductive toxicity Cat. 2
Part B	2,4,6,8-Tetramethyl-2,4,6,8-tetravinylcyclotetrasiloxane	2554-06-5	0.3 - <1%	Repr. 1B H360Fd
Part B	Octamethylcyclotetrasiloxane	556-67-2	0.01 - <0.25%	Flam. Liq. 3 H226; Repr. 2 H361f; Aquatic Chronic 1 H410; M=10

SECTION 4: FIRST-AID MEASURES

General information: No specific first aid measures noted. First aid responders should use appropriate self-protection.

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

Eye contact: Rinse thoroughly with clean water for at least 15 minutes. Get medical attention if symptoms occur.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

Most important symptoms/effects: Any important symptoms and effects are described in Section 11.

Treatment: No specific recommendations.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide (CO₂), dry sand and water spray.

Unsuitable extinguishing media: Alkaline powders. Do not use a water jet as an extinguisher, as this will spread the fire.

Specific hazards: Product will burn under fire conditions. Part B may generate hydrogen gas and vapors may form explosive mixtures with air.

Hazardous decomposition products: Formaldehyde, oxides of carbon and silicon, and other toxic gases or vapors.

Firefighter protection: Wear standard protective equipment and positive-pressure self-contained breathing apparatus (SCBA). Use water spray to cool containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protective equipment. Eliminate ignition sources for Part B. Avoid contact with alkali and caustic products.

Environmental precautions: Do not release to the environment. Do not discharge to drains, watercourses or onto the ground.

Containment and cleanup: Absorb with sand or other inert absorbent and place into suitable containers. Scrape up and place in an appropriate vented container where applicable. Material recovered from Part B should be stored in a vented container because it may generate hydrogen gas.

SECTION 7: HANDLING AND STORAGE

Safe handling - Part A: No specific precautions beyond good industrial hygiene and the personal protection described in Section 8.

Safe handling - Part B: Product may generate hydrogen gas. Keep away from ignition sources. Empty containers after use should be stored in a separate area and disposed of after degassing completely. Handle and open containers with care. Provide adequate ventilation and avoid inhalation of vapors/aerosols and contact with skin and eyes.

Storage: Store in accordance with applicable local/regional/national regulations. Keep in a cool, dry place with adequate ventilation. Keep away from incompatible materials and ignition sources. Do not repackage Part B; clogged container vents may increase pressure build-up.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits: None of the components have assigned occupational exposure limits in the manufacturer SDS.

Engineering controls: Use appropriate engineering controls to reduce air contamination to permissible exposure levels. Use adequate ventilation.

Eye/face protection: Safety glasses with side shields.

Hand protection: Protective gloves are recommended.

Skin/body protection: Under ordinary conditions, no special skin protection is required; wear additional protective clothing where risk of contact exists.

Respiratory protection: Not ordinarily required under normal conditions of use with adequate ventilation.

Hygiene measures: Observe good personal hygiene. Wash after handling and before eating, drinking or smoking. Routinely wash work clothing and protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Part A	Part B
Physical state / form	Liquid / viscous	Liquid / viscous
Color / odor	Colorless / odorless	Colorless / odorless
pH	Not applicable	Not applicable
Flash point	> 536.7 F (280 C), closed cup	> 250 C / 482 F, closed cup
Flammability limits	No data available	4% lower / 74% upper (hydrogen)
Density	Approx. 0.97 kg/dm ³ at 20 C	Approx. 0.98 kg/dm ³ at 20 C
Water solubility	Insoluble	Insoluble
Auto-ignition	> 752 F (400 C)	500 C / 932 F (hydrogen)
Viscosity	No data available	No data available

Other information: Neither component is considered oxidizing according to the component data.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No other information noted.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Part A - will not occur. Part B - may generate hydrogen gas.

Conditions to avoid: Part A - no other information noted. Part B - avoid heat, sparks, open flames and other ignition sources.

Incompatible materials: Part A - strong oxidizing agents. Part B - strong oxidizers, strong bases and chemical compounds with mobile hydrogen in the presence of metal salts and complexes.

Hazardous decomposition products: Can form formaldehyde vapor when heated above 150 C in the presence of air. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica. Part B hydrogen potentially released: approximately 24 L/kg of product.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation, skin contact, eye contact and ingestion.

Acute toxicity: Not classified for acute toxicity based on available component data. No product-specific acute toxicity data are available.

Skin corrosion/irritation: No effects expected for Part A based on ingredients; no data available for Part B.

Serious eye damage/irritation: No effects expected for Part A based on ingredients; no data available for Part B.

Respiratory or skin sensitization: No effects expected for Part A based on ingredients; no data available for Part B.

Carcinogenicity: No carcinogenic component is identified by IARC, NTP or OSHA in the manufacturer SDS.

Germ cell mutagenicity: Part A - no effects expected based on ingredients. Part B - no data available.

Reproductive toxicity: Part A contains octamethylcyclotetrasiloxane and is classified as suspected of damaging fertility. Part B is classified Reproductive Toxicity Category 1B and may damage fertility; it is suspected of damaging the unborn child.

STOT single/repeated exposure and aspiration hazard: No data available / no effects expected as indicated in the manufacturer SDS.

SECTION 12: ECOLOGICAL INFORMATION

Part A: No effects expected for acute or chronic aquatic toxicity based on ingredients. The product is not readily biodegradable and is not bioaccumulating. No mobility-in-soil data are available.

Part B: The manufacturer states that the maximum concentration of octamethylcyclotetrasiloxane (D4) in the aquatic environment is estimated to be below the established no-effect threshold for aquatic organisms. No product-specific acute/chronic aquatic toxicity, biodegradation, bioaccumulation or soil mobility data are available.

Other adverse effects: None known / no data available as stated in the manufacturer SDS.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations. Do not mix waste with other waste. Contaminated packages should be as empty as possible.

Part B packaging: Provide pressure-relief measures such as vented bungs where appropriate for waste storage. Following storage, containers should be as empty as possible and equipped with a degassing device. Packaging that cannot be cleared should be disposed of in the same manner as the product it contained.

SECTION 14: TRANSPORT INFORMATION

US DOT: Not regulated.

IMDG / IMO: Not regulated.

IATA: Not regulated.

Environmental hazards: Not regulated.

Special precaution for Part B air transport: Packaging with a breathing/venting bung is FORBIDDEN for transport by air.

SECTION 15: REGULATORY INFORMATION

TSCA Section 12(b) Export Notification: None present or none present in regulated quantities.

CERCLA Hazardous Substance List: None present or none present in regulated quantities.

SARA 302 / 304 / 313: None present or none present in regulated quantities, as stated in the manufacturer SDS.

Clean Water Act Section 311: None present or none present in regulated quantities.

Clean Air Act Section 112(r): None present or none present in regulated quantities.

California Proposition 65: No ingredient requiring a warning under California Proposition 65 is identified in the manufacturer SDS.

State right-to-know: No ingredient regulated by New Jersey, Massachusetts, Pennsylvania or Rhode Island right-to-know laws is identified in the manufacturer SDS.

Inventory status: Australia AICS, China IECSC, Korea KECI, Philippines PICCS, New Zealand Inventory, Taiwan inventory and U.S. TSCA - on or in compliance with the inventory. Canada DSL and Japan ENCS - manufacturer SDS indicates applicable inventory status by component/part. EU EINECS/ELINCS/NLP - on or in compliance with the inventory.

SECTION 16: OTHER INFORMATION

Hazard rating	Part A	Part B
HMIS / NFPA Health	1	1
Flammability	1	1
Reactivity / Physical hazard	0	0
PPE	B - Safety glasses & gloves	Safety glasses / gloves as appropriate

H-statement wording from manufacturer SDS: H226 - Flammable liquid and vapor. H360Fd - May damage fertility. Suspected of damaging the unborn child. H361f - Suspected of damaging fertility. H410 - Very toxic to aquatic life with long lasting effects.

Product: A-4125

Factor II issue / revision date: 08/26/2026

Source basis: Prepared from the manufacturer Safety Data Sheets for the supplied 10:1 Part A and Part B materials. The product is not chemically modified by Factor II; this document reformats the manufacturer safety information under Factor II supplier identification.

Disclaimer: The information is provided in good faith and is based on available manufacturer information believed to be reliable. Users are responsible for determining suitability, safe use and applicability of current laws and regulations. Factor II makes no representation that the material is suitable for implantation or any use beyond the stated restrictions.