

Thermally Conductive Silicone Sponge Elastomer

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Name

Trade name: Silex Thermally Conductive Silicone Rubber Sponge sheet
SIL-X-600-FFF GREEN

1.2 Relevant identified uses of the substance/mixture and uses advised

against

Industrial and professional. Perform Risk Assessment prior to use.

Uses advised against

Not for human consumption.

1.3 Details of the supplier of the Safety data sheet Company

Identification Silex Limited

Unit 10, Oakhanger Farm Business Park, Oakhanger, Bordon, Hampshire, GU35 9JA.

Email: sales@silex.co.uk

Telephone Number: +44 (0) 1420 470360 (09:00-17:00 Mon-Fri)

1.4 Product Use

Silicone product used as thermal conductive gasketing, cushioning, insulation and vibration dampening.

SECTION 2: INGREDIENTS

This material is produced as an "article" as defined in 29 CFR 1910.1200 and REGULATION (EC) Nº 1907/2006 is therefore exempt from the Hazard Communication Standard and REACH. Since this material does not release and will not result in exposure to a hazardous chemical under normal conditions of use, no Safety Data Sheet is required. This form is provided as a convenience to our customers.

SECTION 3: HAZARDS IDENTIFICATION

3.1 Emergency overview

Specific Physical Form: Solid

Odor, Color, Grade: Odorless, light green, sponge

Immediate health, physical, and environmental hazards: The environmental properties of this product present a low environmental hazard.

This product, when used under reasonable conditions and in accordance with directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

3.2 Potential Health Effects

Eyes: No health effects are expected.
Skin: Wash hands with soap and water.
Inhalation: No health effects are expected.
Ingestion: No health effects are expected.

SECTION 4: FIRST AID MEASURES

4.1 First Aid Procedures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.
Eye Contact: No need for first aid is anticipated.
Skin Contact: No need for first aid is anticipated.
Inhalation: No need for first aid is anticipated.
If Swallowed: No need for first aid is anticipated.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Flammable Properties

Autoignition temperature 1500°F
Flash Point Not Applicable
Flammable Limits (LEL) Not Applicable
Flammable Limits (UEL) Not Applicable

5.2 Extinguishing Media

Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide).

5.3 Protection of Fire Fighters

Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).
Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards are anticipated.
Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Not Applicable

6.2 Environmental precautions:

Reclaim undamaged product.

6.3 Clean-up methods:

Collect as much of the spilled material as possible.

SECTION 7: HANDLING AND STORAGE

7.1 Handling:

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This product is considered to be an article, which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

STORAGE: Not Applicable

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering Controls:

Not Applicable

8.2 Personal Protective Equipment (PPE):

8.2.1 Eye/Face Protection: Avoid eye contact. Use of safety glasses is recommended.

8.2.2 Skin Protection: Avoid prolonged or repeated skin contact.

8.2.3 Respiratory Protection: Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. Use appropriate NIOSH-approved respirator in presence of decomposition fumes or dust.

8.2.4 Prevention of Swallowing: Not an expected route of exposure.

8.3 Exposure Guidelines:

None established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form: Solid

Odor, Color, Grade: Odorless, light green, sponge

General Physical Form: Solid

Autoignition Temperature: 1500°F

Flash Point: Not Applicable

Flammable Limits (LEL): Not Applicable

Flammable Limits (UEL): Not Applicable

Boiling Point: Not Applicable

Density: Not Applicable

Vapor Density: Not Applicable

Vapor Pressure: Not Applicable

Specific Gravity: Not Applicable

pH: Not Applicable

Melting Point: Not Applicable

Solubility in Water: Nil

Evaporation Rate: Not Applicable

Volatile Organic Compounds: Not Applicable

Percent Volatile: Not Applicable

VOC Less H₂O &

Exempt Solvents: Not Applicable

Viscosity: Not Applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid:

10.1 Conditions to Avoid: None known

10.2 Materials to Avoid: None known

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products:

Substance Condition

Hydrocarbons During Combustion

Carbon monoxide During Combustion

Carbon dioxide During Combustion

Hazardous Decomposition: Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact **Silex Ltd** for toxicological information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Information: Not determined.

Chemical Fate Information: Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Reclaim if feasible.

If product can't be reclaimed, dispose of waste product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator.

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

Not regulated per U.S. DOT, IATA, or IMO.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. These transportation classifications are based on product formulation, packaging, **Silex Ltd** policies and **Silex Ltd's** understanding of applicable current regulations. **Silex Ltd** does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS: Contact **Silex Ltd** for more information.

311/312 Hazard Categories:

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

Immediate Hazard – No

Delayed Hazard – No

STATE REGULATIONS:

California Proposition 65:

See Regulatory Data Sheet.

SAFETY SHEET



CHEMICAL INVENTORIES: This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements. Contact **Silex Ltd** for more information.

INTERNATIONAL REGULATIONS: Contact **Silex Ltd** for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification:

Health: 0

Flammability: 1

Reactivity: 0

Special Hazards: None

NOTE: The information in this document is provided free of charge and is based on technical data that **Silex Ltd** believes to be reliable. It is intended for use by persons having technical skill, at their own discretion and risk. Because conditions of product use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Suitability for use in a particular application is the ultimate responsibility of the end-user.

April 2023

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