

PRODUCT SAFETY INFORMATION SHEET

This material is exempt from the Hazard Communication Standard since it is produced as an “article” as defined in 29 CFR 1910.1200. Under normal conditions of use, this material does not release and will not result in exposure to a hazardous chemical; therefore, no Safety Data Sheet is required. This data sheet is therefore provided only as a convenience to users of our products.

1: IDENTIFICATION

Trade Name: **KUSHION** Sponge ZX870
Chemical Family: Open Cell Natural Sponge Rubber
Use: Gasket and cushioning applications

Manufacturer: GRISWOLD LLC
Address: P.O. Box 638
One River Street
Moosup, CT 06354-0638

Phone: 860-564-3321
Fax: 860-564-5690

2: HAZARDS IDENTIFICATION

Classification of the material: Not Established
Labeling requirements: Not Established
Effects of overexposure: None expected with normal handling. Cutting, grinding and other finishing operations may generate nuisance dust. As such, proper ventilation and personnel protection measures should be taken to limit exposure to nuisance dusts as defined by OSHA.

This product may contain crystalline silica as a naturally occurring component of some filler materials which are considered hazardous in respirable form. Titanium Dioxide is also present. These hazardous components are bound in the polymer matrix and as such this generally precludes the possibility of airborne dust of the materials. These components are not expected to become airborne during normal use of this product.

Skin contact: Not classified. Dust from cutting/grinding operations may cause irritation. Wash thoroughly with soap and water.

Eye contact: Not classified. Dust from cutting/grinding operations may cause irritation. Flush eyes with water and seek medical attention if necessary.

Respiratory/Skin Sensitization: Not classified. While this product is not made from natural rubber latex, it is made with dry natural rubber and synthetic rubber to which sensitized individuals may have a contact skin reaction.

Carcinogenicity: IARC has listed titanium dioxide as Group 2B suspected human carcinogen and crystalline silica as a Group 1 carcinogen.

2: HAZARDS IDENTIFICATION (cont.)

Aspiration:	Not classified. Dust from cutting/grinding operations may cause respiratory irritation. Remove to fresh air and seek medical attention if necessary.
Ingestion:	Not classified. Not a typical route of exposure. If ingested seek medical attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	OSHA PEL	ACGIH TLV	NIOSH
Natural Rubber	9003-31-0	<35%	NA	NA	NA
Other Polymer	Proprietary	<15%	NA	NA	NA
Proprietary Fillers	Proprietary	<35%	15 mg/m ³ TWA (total dust), 5 mg/m ³ TWA (respirable fraction)		
Silica, Crystalline (1)	14808-60-7	<0.5%	0.1 mg/m ³ TWA (respirable dust)	0.025 mg/m ³ TLV (respirable fraction)	0.05 mg/m ³ TWA (respirable dust)
Titanium Dioxide (2)	13463-67-7	<2.5%	15 mg/m ³ TWA (total dust), 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica)	

Notes:

- 1) Crystalline Silica is a naturally occurring component of some of the fillers used which may contain trace amounts or up to 2% of silica depending on the source. Crystalline Silica is listed as a Group 1 carcinogen by IARC, Group A2 – suspected human carcinogen by ACGIH, occupational carcinogen by NIOSH and known carcinogen (select carcinogen) by NTP.
- 2) Titanium Dioxide is a naturally occurring component of some of the fillers used which may contain trace amounts or up to 2% depending on the source. ACGIH list Titanium Dioxide as A4 - Not Classifiable as a Human Carcinogen. IARC lists Titanium Dioxide as Group 2B (possibly carcinogenic to humans).

4: FIRST AID MEASURES

Eye Contact:	In case of eye contact, immediately rinse with clean water. Obtain medical attention if pain, blinking, tears or redness persists.
Skin Contact:	Not expected to present a significant skin hazard under anticipated conditions of normal use. Wash skin thoroughly with mild soap and water.
Inhalation:	Not expected to present a significant inhalation hazard under anticipated conditions of normal use. If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention.
Ingestion:	If ingested, obtain emergency medical attention.

5: FIRE-FIGHTING MEASURES

Extinguishing Media:	Water, Fog, Dry Chemical, Foam, Carbon Dioxide
Special Fire Fighting Procedures:	Wear NIOSH/MSHA approved SCBA and full protective gear as decomposition in fire may produce toxic fumes.
Unusual Fire and Explosion Hazards:	May generate dense smoke in fire situation.
Flash Point:	Not Applicable

6: ACCIDENTAL RELEASE MEASURES

Steps to take if Material Released/Spilled: Clean up while avoiding the creation of nuisance dust.

7: HANDLING AND STORAGE

Handling: The use of hot wire, laser or other cutting devices that involve high temperature cutting operations requires local exhaust sufficient to prevent exposure to potential toxic fumes that may be generated. See Section 8.

General Storage Requirements: Keep away from open flame, electrical or mechanical sparks, electric heaters, high-powered lights, flame sources and flammable liquids and gases.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses during cutting operations.

Skin Protection: Not expected to be a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and when leaving the work area.

Respiratory Protection: Wear a suitable dust mask during mechanical cutting operations. The use of hot wire, laser or other cutting devices that involve high temperature cutting operations requires local exhaust sufficient to prevent exposure to potential toxic fumes that may be generated.

Ventilation: Use sufficient ventilation to keep dust exposure below the recommended limits for a respirable nuisance dust.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid, Open Cell Sponge Rubber

Color: Tan

Odor: Slight rubber odor

pH: NA

Melting point: NE

Freezing point: NA

Initial boiling point: NA

Flash point: NE

Evaporation rate: NA

Flammability: NA

Lower Explosive Limit: NA

Upper Explosive Limit: NA

Vapor pressure: NA

Vapor density: NA

Relative density: < 1.0

Solubility: NA

Auto-ignition temperature: NA

Decomposition temperature: NE

10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Possibility of hazardous reactions: NE

Conditions to avoid: NE

10: STABILITY AND REACTIVITY (cont.)

Materials to avoid:	NE
Hazardous decomposition products:	Decomposition in fire may produce toxic fumes consisting of carbon monoxide, carbon dioxide and other toxic materials.

11: TOXICOLOGICAL INFORMATION

Carcinogenic Status:	Inhalation of dust is to be avoided, as it is a mechanical irritant and contains both titanium dioxide and crystalline silica which NTP, OSHA or IAR list as a known or suspect human carcinogen.
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12: ECOLOGICAL INFORMATION

No data available. This material has yet to undergo testing to determine ecological impact.

13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Dispose of in accordance with all applicable federal, state and local regulations.
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14: TRANSPORT INFORMATION

Proper Shipping Name:	Not Regulated
Primary Hazard Class:	Not Regulated
Secondary Hazard Class:	NA
Label Required:	None
Placard Required:	None
Poison Constituent:	NA
UN Number:	NA
EPA Registration #:	NA

15: REGULATORY INFORMATION

REACH	Material is classified as an article. Contact GRISWOLD LLC Customer Service for current statement regarding REACH status as requirements to meet these regulations are periodically updated. Individual statements for each of the listed regulations are available upon request.
REACH Annex XVII	
REACH RoHS	
California Proposition 65	Although this sponge product does contain listed particulate matter noted on the Proposition 65 List, it is bound in the polymer and not present as unbound particles of respirable size and therefore in a form not presenting a hazard under normal use. Contact GRISWOLD LLC Customer Service if a separate statement is needed regarding California Proposition 65 status as the requirements to meet this regulation are periodically updated.
SEC Conflict Minerals	No Conflict Minerals are purchased nor intentionally added to this product. Contact GRISWOLD LLC Customer Service for any update to the Conflict Minerals Reporting.
TSCA (Toxic Substances Control Act)	All materials used to manufacture this product are listed or exempt from TSCA listing.
CERCLA (Comprehensive Emergency Response and Liability Act)	NA
SARA Title III (Superfund Amendments and Reauthorization Act)	NA

15: REGULATORY INFORMATION (cont.)

311/312 Hazard categories

None Known

313 EPCRA status

NA

Note:

The above responses are based solely on a review of suppliers MSDS's/SDS's and not the result of any chemical analysis to determine if any listed chemical is present or any actual concentration of any listed chemical. GRISWOLD LLC makes no representation that it has verified the accuracy of the MSDS/SDS information or for incomplete or inaccurate information contained in this statement.

16: OTHER INFORMATION

National Fire Protection Association (NFPA)

Ratings have not been established for this material.

Hazardous Material Information System: (HMIS)

Ratings have not been established for this material.

General Comments:

Some of the information presented and conclusions drawn herein are from sources other than direct test data of the material itself.

Disclaimer of Liability:

The information in this Product Safety Information Sheet was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the material are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the material.

This Product Safety Information Sheet was prepared and is to be used only for this material. If the material is used as a component in another material, this Product Safety Information Sheet may not be applicable. This document is generated for the purpose of distributing health, safety, and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the material itself.

NA = Not Applicable

NE = Not Established

NC = Not Classified

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Date:

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