

SAFETY DATA SHEET

Date of issue: 28/05/15

1 – Product and Company Identification

- **Product name:** Gurit[®] PVC foam
- **Material identification:** Gurit[®] PVC ; Gurit[®] PVC HT
- **Application of the product:** Structural rigid foam
- **Supplier/Manufacturer:** Gurit (USA) Inc.
115 Broadcommon Road
Bristol, Rhode Island 02809
USA Tel: 401-396-5008
- **For additional information :** Health, Safety and Environment department:
Email: regulatory@gurit.com
Emergency phone number: 1-800-424-9300

2 – Hazards Identification

THIS PRODUCT WHEN SOLD IS NOT CLASSIFIED AS A HAZARDOUS CHEMICAL PER OSHA HCS-2012.

However, when subject to machining operations under normal condition of use, the release of dust may pose a combustible dust risk if work is not performed under good industrial and safety practices.

WARNING!

May form combustible dust in the air.

- Prevent dust accumulations to minimize explosion hazard.
- Keep away from all ignition sources including heat, sparks and flame.

3 – Composition/Information on Ingredients

Chemical Characterization:

Rigid foam consisting of semi interpenetrating network between Polyvinyl Chloride and aromatic polyureas.

Blowing agents: Nitrogen (N₂) and Carbon dioxide (CO₂).

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4 – First Aid Measures

- **Eye contact:** If dust particles become lodged in eyes, rinse immediately with plenty of water. If symptoms persist, consult a physician.
- **Skin contact:** No need for specific measures.
- **Ingestion:** In case of persistent symptoms, consult a physician.
- **Inhalation:** If affected by dust or vapors, remove individual to fresh air. If condition persists, obtain medical attention.
- **Most important symptoms/effects:** Upper respiratory system irritation.
- **Immediate medical attention and special treatment:** No special requirements.

5 – Fire-Fighting Measures

- **Suitable extinguishing media:** Water, foam, carbon dioxide or dry chemical fire extinguishers.
- **Specific hazards:** Formation of toxic gases will occur during a fire. Hazardous combustion by-products include but are not limited to carbon monoxide, carbon dioxide, hydrogen chloride and hydrogen cyanide.
- **Protective equipment:** Wear fully protective suit with self contained breathing apparatus (SCBA) with a face-piece operated in positive pressure mode. Reduce direct exposure to smoke and fumes.

6 – Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** No special measures required.
- **Clean up methods and materials:** Vacuum or sweep up material.

7 – Handling and Storage

- **Handling:** Wear appropriate personal protection when handling.
Machining operations which can produce dust should be properly fitted to a dust collection system. Prevent formation of dust that could create explosive atmospheres.
Provide adequate general ventilation and local exhaust ventilation during machining and processing operations to control airborne contaminant exposure.
Accumulation of static electricity charges may appear during machining operations or handling of the material. Ensure all machining equipment are bonded and grounded to reduce static energy build-up. Static electricity might give an unpleasant sensation but is not a possible source of ignition.
- **Storage:** Protect from open flames. This product is a combustible material and should be stored according to the national or local Fire Code.

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8 – Exposure Controls / Personal Protection

• **Exposure limits :**

| Ingredient name | CAS# | OSHA (PEL) | ACGIH |
|--------------------------------------|------|----------------------------|-------|
| Particulates Not otherwise Regulated | - | 15 mg/m ³ (TWA) | - |

Note: Dust fraction size from machining operations will not constitute a respirable dust issue.

- **Engineering measures:** Provide general and local exhaust ventilation to control airborne contaminant.
- **Personal protection equipments:**
 - Wear safety goggles.
 - Wear general purpose gloves and protective work clothing.
 - Breathing protection recommended if excessive dust is generated.
- **General measures:** Handle product with good industrial and safety practices.

9 – Physical and Chemical Properties

- **Physical state:** Solid
- **Color:** Varied
- **Odor:** Nearly odorless
- **Flash point:** Not applicable
- **Melting point:** Not established
- **Decomposition temperature:** > 220°C (> 428 °F)
- **Boiling point:** Not applicable
- **Ignition temperature:** Not available
- **Vapour pressure:** Not applicable
- **Evaporation rate:** Not applicable
- **Solubility in water:** Insoluble

Note: Items not included in this section are not available or not relevant to this product.

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10 – Stability and Reactivity

- **Chemical stability:** This product is stable.
- **Conditions to avoid:** Do not overheat or expose to open flames.
- **Chemical reactivity:** No relevant information available.
- **Possibility of hazardous reactions:** No hazardous reactions known.
- **Incompatibility with other substances:** Strong oxidizers, strong acids and bases will damage the product.
- **Hazardous decomposition products:** Decomposition products include but are not limited to carbon monoxide, carbon dioxide, hydrogen chloride and hydrogen cyanide.

11 – Toxicological Information

- **Toxicological data:** No data available
- **Route of exposure** (when processing product): inhalation, eye contact.
 - Dust released when machining the product may cause irritation to upper respiratory tract.
 - Dust released when machining the product may cause eye irritation.
 - Product is not expected to present harmful effects if swallowed.
- **Sensitization:** No sensitizing effects known.
- **Chronic toxicity:** No data available

Additional information: When used and handled according to specifications, the product is not expected to cause any adverse effects.

12 – Ecological Information

- **Ecotoxicity data:** No data available
- **Persistence, biodegradability and mobility:** No data available

13 – Disposal Consideration

- **Waste disposal:** Product is stable and may be disposed of in approved landfills. Toxic gases will be generated if product is burned. Disposal of waste material should be done according to applicable Federal and State regulations.

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14 – Transport Information

- **Regulatory status (DOT; IMDG; IATA):** Not regulated for transport

15 – Regulatory Information

- **Regulatory status:** This product is subject to the combustible dust classification only if machining or processing the product is considered normal conditions of use. See safety label at the end of this Safety Data Sheet as required by OSHA HCS.
- **TSCA (USA):** All substances are listed.
- **California Prop. 65:** No substance listed

16 – Other Information

- **References:** 29CFR 1910.1200 OSHA Hazard Communication Standard (2012);
- **Notice to the reader:**
To the best of our knowledge, the information contained herein is accurate at the date of its publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

SAFETY LABEL

Gurit[®] PVC foam

When this product is subject to processing methods under normal condition of use, the release of dust may pose a combustible dust risk if work is not performed under good industrial and safety practices.

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