

# SAFETY DATA SHEET

Date of issue: 21/01/14

## 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:** Gurit Americas Inc.  
175, rue Péladeau  
Magog (Québec) J1X 5G9  
Canada Tel: 819-847-2182
- 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](mailto:regulatory@gurit.com)

## 2 – Hazards Identification

- **Emergency overview:** Solid combustible material.
- **Hazardous designation:** This material is not classified as a hazardous product. This material is defined as a manufactured article and, as such, is exempt from HCS or CPR regulations.
- **Potential health effects:**
  - Eyes: Dust from machining operations on the product may cause irritation.
  - Skin: Mechanical abrasion may cause minor irritation.
  - Inhalation: Dust and vapors released from machining operations may cause respiratory tract irritation.
  - Ingestion: Product is not expected to present harmful effects if swallowed.

## 3 – Composition/Information on Ingredients

### Chemical Characterization:

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

**Blowing agents:** Nitrogen (N<sub>2</sub>) and Carbon dioxide (CO<sub>2</sub>).

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## 4 – First Aid Measures

- **Eye contact:** If dust or 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.

## 5 – Fire-Fighting Measures

- **Suitable extinguishing media:** Water, foam, carbon dioxide or dry chemical fire extinguishers.
- **Special exposure hazards:** Formation of toxic gases will occur during a fire. 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.

## 6 – Accidental Release Measures

No special measures required

## 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.  
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 from the material 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 <sup>3</sup> (TWA)	10 mg/m <sup>3</sup> (TLV)

Note: Dust from machining operations has non-respirable fraction properties.

• **Engineering measures:** Provide general and local exhaust ventilation to control airborne contaminant.

• **Personal protection equipments:**

Eye protection: Wear safety glasses/goggles  
 Skin protection: Wear general purpose gloves and protective work clothing.  
 Respiratory protection: Wear an approved respirator with organic vapour cartridge if ventilation is not adequate. 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
- **Density:** 30 – 400 kg/m<sup>3</sup>
- **Solubility in water:** Insoluble

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## 10 – Stability and Reactivity

- **Stability and reactivity:** This product is stable.
- **Conditions to avoid:** Do not overheat to avoid thermal decomposition.
- **Dangerous reaction:** No dangerous reactions known.
- **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:** Not available
- **Acute effects:**
  - Eyes: Dust may cause irritation to eyes.
  - Skin: Abrasive contact may cause minor irritation to skin.
  - Inhalation: Dust and vapor may cause respiratory tract irritation.
- **Chronic effects**
  - Sensitization:** No sensitizing effects known.
  - Mutagenic effects:** Not available
  - Teratogenic effects:** Not available
  - Reproduction effects:** Not available
  - Carcinogenic effects:** Not listed by IARP, NTP, OSHA, EU, ACGIH

**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 and biodegradability:** No data available
- **Mobility:** Foam particles will float on the water.

## 13 – Disposal Consideration

- **Waste disposal:** Product is stable and not hazardous. Waste generator should review local regulations. Toxic gases will be generated if waste product is incinerated.

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## 14 – Transport Information

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

## 15 – Regulatory Information

- **Regulatory status:**  
This core material is defined as a manufactured article and, as such, is exempt from HCS or CPR regulations.
- **TSCA (USA) & DSL (CAN):** All substances are listed
- **U.S. State regulations:** Not applicable
- **WHMIS classification:** Not applicable
- **California Proposition 65:** No substance listed

## 16 – Other Information

- **References:** ANSI Z400.1, MSDS Standard, 2004;  
29CFR 1910.1200 OSHA Hazard Communication Standard;  
Controlled Products Regulations (DORS/88-66) Canada.

- **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.