

# SAFETY DATA SHEET

Date of issue: 28/05/15

## 1 – Product and Company Identification

- **Product identification:** CORECELL™ Foam – A,K,M,P,S,T series
- **Application of the material:** Structural rigid foam panel
- **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](mailto: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

- Corecell™ is a structural expanded polymer product having some of the characteristics of SAN copolymer CAS 9003-54-7. The chemicals listed below will be released when processing the product. Trace levels of residual acrylonitrile monomers is also expected to be released in small amounts during processing operations.

Chemical name	CAS number	% concentration
Acetone	67-64-1	1 – 5 %
Hexane isomers	92112-69-1	1 – 5 %

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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 thermal decomposition or in case of fire. Hazardous combustion products include Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen cyanide and Hydrogen bromide.
- **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:** 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.  
Processing the product through heated equipment or tools could enhance the release of organic vapors. 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 heat and open flames. This product is a combustible material and should be stored according to the national or local Fire Code.  
Trace levels of organic vapors may be released for a while after machining operations. Ensure good mechanical ventilation for storage of large quantities of the processed product.

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**8 – Exposure Controls / Personal Protection****• Exposure limits :**

Ingredient name	CAS#	OSHA (PEL)	ACGIH (TLV)
Acetone	67-64-1	1000 ppm (TWA)	500 ppm (TWA) ; 750 ppm (STEL)
Hexane isomers	92112-69-1	-	500 ppm (TWA) ; 1000 ppm (STEL)
Particulates Not Otherwise Regulated	-	15 mg/m <sup>3</sup> (TWA)	-

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

- **Engineering controls:** Provide general and local exhaust ventilation to control airborne contaminant.
- **Personal protection equipments:**
  - Wear safety glasses/goggles.
  - Wear general purpose gloves and protective work clothing.
  - Wear approved NIOSH respirator with organic vapour cartridge if vapors are not adequately controlled. 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:** Yellow
- **Odor:** Nearly odorless
- **Flash point:** Not applicable
- **Melting point:** Softening point 70°C - 120°C (158°F - 248°F)
- **Thermal degradation:** >180°C (356°F)
- **Boiling point:** Not applicable
- **Ignition temperature:** Not available
- **Relative density:** 0.05-0.5 g/cm<sup>3</sup>
- **Vapor pressure:** 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 to avoid thermal decomposition. Keep away from 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: Residual monomers, Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen cyanide and Hydrogen bromide.

**11 – Toxicological Information**• **Toxicological data:**

Substance	LC50 (Inhalation Rat)	LD50 (Oral Rat)
Acetone	21 000 ppm (8h)	5800 mg/kg

- **Route of exposure** (when processing product): inhalation, eye contact.
  - Dust and vapors released when machining the product may cause irritation to upper respiratory tract.
  - Dust and vapors 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.

The product has not been tested as a whole for its possible chronic effects.

**Additional information:** It is recommended that pregnant or breastfeeding women should not be working in areas where this product is processed.

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## 12 – Ecological Information

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

## 13 – Disposal Considerations

- **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.

## 14 – Transport Information

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

## 15 – Regulatory Information

- **Regulatory status:** This product is subject to hazardous 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:** This product contains trace quantities of a substance known to the State of California to cause cancer: Acrylonitrile.

## 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

## Corecell™ 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.

### WARNING!

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