

# FLEXITALLIC L.P.

## Material Safety Data Sheet

No. FDP-033  
REVISED: 21 July 2003  
Contact Number 281-604-2400

### GENERAL INFORMATION

Manufacturer:  
Flexitallic Limited  
P. O. Box 21  
Rochdale, Lancs, England OL127 EQ

Common Name, Trade Name, or Specification:

**AF 2300**

DOT Hazard Code -

N/A

### 1. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

Although several of the ingredients used to formulate this product may be hazardous in the raw state, the manufacturing process results in a solid, infusible form, binding or otherwise rendering the mixture inert. We have identified below those hazardous constituents present in quantities greater than 1% (0.1% for carcinogens) that may be released from the product by overheating, burning, machining, abrading, or riveting.

Component	CAS Number	%	OSHA PEL	ACGIH TLV
Neoprene (Rubber)	126-99-8	<25	25 ppm (skin)	25 ppm (skin)
Calcium Carbonate	1317-65-3	<35	15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup>
Silica (Quartz)	14808-60-7	<10	0.1 mg/m <sup>3</sup> (respirable)	0.1 mg/m <sup>3</sup> (respirable)
Fibrous Glass	NONE	<40	15 mg/m <sup>3</sup> (total dust)*	10 mg/m <sup>3</sup>

\* The formulation for this product is made with continuous filament fibrous glass. If the end product is finely ground, a fibrous glass dust may result which has a proposed OSHA PEL of 1 f/cc and a NIOSH REL of 3 f/cc.

### 2. PHYSICAL AND CHEMICAL CHARACTERISTICS

Melting Point - None  
Color -

Solubility in water - Insoluble  
Specific Gravity -

Odor -Rubber  
Form - Solid

### 3. FIRE AND EXPLOSION DATA

**Auto-ignition Temperature:** This product is inherently flame resistant.

**Flammable Limits in Air:** % in Air by Volume: LEL: N/A UEL: N/A

**Extinguisher Media:** Carbon dioxide, chemical, or foam

**Special Firefighting Procedure:** Material in or near fires should be cooled with a water spray or fog. A self-contained breathing apparatus, operating in the positive pressure mode, and full fire fighting protective clothing should be worn for combative fires.

**Unusual Fire and Explosion Hazards:** Thermal decomposition or combustion may produce dense smoke, oxides of carbon, and low molecular weight organic compounds whose composition has not been characterized.

#### 4. PHYSICAL HAZARDS AND REACTIVITY DATA

**Stability:** Stable at normal temperatures and storage conditions

**Incompatibility:** None

**Hazardous Decomposition Products:** None

**Hazardous Polymerization:** Will not polymerize. This product is fully cured in the manufacturing process.

#### 5. HEALTH HAZARDS

<b>Carcinogenicity:</b>	<b>NTP Listed</b>	<b>IARC Listed</b>	<b>NIOSH Listed</b>	<b>OSHA Listed</b>
Neoprene (Rubber)	No	No	No	No
Calcium Carbonate	No	No	No	No
Silica(Quartz)	Yes	Yes*	Yes	No
Fibrous Glass	No	No**	No	No

\* IARC classifies quartz as "probably carcinogenic to humans." (Group 2A)

\*\* IARC classifies "continuous filament glass dust" as "not classifiable with respect to human carcinogenicity." (Group

3) IARC and NTP classify "fibrous glass dust" as "possibly carcinogenic to humans." (Group 2B)

### Symptoms and Effects of Exposure to the Individual Components:

#### NEOPRENE (RUBBER)

**Inhalation hazards** - Moderately toxic by inhalation. Exposure to the vapor can cause respiratory tract irritation leading to asphyxia. **Other hazards** - Human exposure has caused dermatitis, conjunctivitis, corneal necrosis, anemia, temporary loss of hair, nervousness, and irritability. Poison by ingestion, intravenous, and subcutaneous routes.

#### CALCIUM CARBONATE

This substance is a severe eye irritant and moderate skin irritant. Calcium carbonate is a common air contaminant

#### SILICA DUST

**Inhalation hazards** - Acute: Exposure to silica dust may cause paroxysmal coughing, wheezing, dyspnea and upper respiratory tract irritation. Chronic: Prolonged exposure to silica dust may cause silicosis.

Quartz has been classified by IARC as "probably carcinogenic to humans." (Group 2A) **Other hazards** - Eye or skin contact can cause temporary discomfort and irritation.

### **FIBROUS GLASS**

**Inhalation hazard** - Acute: mechanical irritation of mouth, nose, throat. Itching and irritation of upper respiratory tract. **Other hazards** - transient mechanical irritation to skin. Direct contact with eyes will cause mechanical irritation. May cause unpleasant deposits in eyes, ears and nasal passages. IARC categorizes "continuous filament glass dust" as not classifiable relative to human carcinogenicity (Group 3). However, if the end product is finely ground, a fibrous glass dust may result, which IARC classifies as "possibly carcinogenic to humans" (Group 2B).

## **6. FIRST AID**

**Inhalation:** Move to fresh air. Obtain medical attention.

**Eyes:** Flush with water to remove particulate. Obtain medical attention.

**Skin:** Wash thoroughly with soap and water. If persistent irritation develops, obtain medical attention.

**Ingestion:** Obtain medical attention.

## **7. SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES**

**Handling and Storage :** Shipping and storage may result in accumulation of dust in shipping containers. If this occurs, dispose of the container in an airtight polyethylene bag (see disposal instructions below) or remove dust by vacuuming or wet mopping. Vacuums used for this purpose should be equipped with HEPA filters. Do not use compressed air to blow dust from storage containers.

**Release or Spill :** If a release of dust occurs during machining, abrading, or riveting, remove dust by vacuuming or wet mopping. Vacuums used for this purpose should be equipped with HEPA filters. Do not use compressed air to blow dust from the workplace.

**Waste Disposal :** Disposal of solid waste is regulated by federal and state law. Waste should be placed in airtight containers, and disposed of properly. Contact local regulatory agency for guidance.

## **8. PERSONAL PROTECTION AND CONTROL**

**Respiratory Protection :** Use NIOSH-approved respirator if exposure to dust, vapors, or fumes in concentrations exceeding PEL's or TLV's is possible. (See 29 CFR 1910.134 for respiratory protection standards)

**Ventilation :** Any operations which may produce dust, including machining, grinding, riveting, or abrading of this product, should be adequately exhausted to prevent

inhalation of dust.

**Personal Protective Equipment :** Suitable respiratory protection should be worn if dust exposure is possible. All regulations and safe practices related to the use of respiratory protection must be observed. Refer to OSHA standards and NIOSH guidelines. If skin irritation occurs, gloves and other protective garments may be worn.

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