

# SILEX

## SILICONES

### SILICONE RUBBER SPONGE SHEET – SIL 16 : Material Safety Data Sheet

Issue date 27th May 2013

#### 1) COMPOSITION / INFORMATION ON INGREDIENTS :

**Chemical Characterisation:** Chemically Blown, Cellular Silicone Elastomer

**Ingredients :**

Name	CAS No	%
Ground Quartz (SiO <sub>2</sub> )	14808-60-7	<20
Mixture based on 2,2-AZO Bis(ISOBUTYRONITRILE) (2,2-Dimethyl-2,2-Azodipropionitrile)	78-67-1	*<3
Tert.-Butylperbenzoate	614-45-9	#<2
Di-(2,4 dichlorobenzoyl) peroxide	133-14-2	#<1

\*Chemical blowing agent, this is removed during the production process

#Peroxide cross linker, this is used up during production process and is not present in finished product

#### 2) HAZARDS IDENTIFICATION :

Not hazardous according to Council Directive 88/379/EEC and its subsequent amendments.

#### 3) FIRST AID MEASURES :

**If inhaled** : No first aid should be needed

**On contact with eyes** : No first aid should be needed

**On skin contact** : No first aid should be needed

**On ingestion** : No first aid should be needed

#### 4) FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Carbon Dioxide, foam, dry powder or fine water spray
- Unsuitable extinguishing media** : None known
- Special protective equipment /procedures** : A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after the fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan
- Hazards during fire fighting** : None known
- Hazardous combustion products** : Silica. Carbon oxides and traces of incompletely burned carbon compounds. When burnt, product may emit formaldehyde vapours. Gases given off when burnt do not contain more than 0.05% chlorine

#### 5) ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear proper protective equipment
- Precautions to protect the environment** : Do not allow large quantities to enter drains or surface waters
- Methods for cleaning up** : Collect and place in appropriate container

#### 6) HANDLING AND STORAGE

- Advice on storage** : Store at ambient temperature and atmospheric pressure in a dry environment. The product should be kept out of direct sunlight (preferably in the dark). The product should be retained in its original packaging
- Unsuitable packaging materials** : None known

#### 7) ENGINEERING CONTROLS / PERSONAL PROTECTION

- Exposure controls** : Refer to section 6

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### Personal Protection Equipment

<b>Respiratory protection</b>	: Respiratory protection is not normally required
<b>Hand protection</b>	: Gloves are not normally required
<b>Skin protection</b>	: Protective equipment is not normally necessary
<b>Eye protection</b>	: Safety glasses should be worn
<b>Hygiene measures</b>	: Exercise good industrial practise. Wash after handling, especially before eating, drinking and smoking
<b>Additional information</b>	: None known

### 8) PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

<b>Form</b>	: Bulk sponge
<b>Colour</b>	: See product name
<b>Physical state</b>	: Fully cross-linked chemically blown cellular silicone rubber
<b>Density</b>	: 250kg/m <sup>3</sup> on a 25mm diameter cord
<b>Explosive properties</b>	: None

The above information is not intended for use in preparing product specifications. Contact Silex before writing specifications

### 9) STABILITY AND REACTIVITY

<b>Stability</b>	: Stable under normal usage conditions
<b>Conditions to avoid</b>	: Prolonged contact with organic fluids
<b>Hazardous decomposition products</b>	: See section 10

# S I L E X

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### 10) TOXICOLOGICAL INFORMATION

<b>On contact with eyes<sup>3</sup></b>	: No hazard known
<b>On skin contact<sup>3</sup></b>	: No hazard known
<b>If inhaled<sup>3</sup></b>	: No hazard known
<b>On ingestion<sup>3</sup></b>	: Small amounts should not injure. Swallowing large amounts may cause digestive discomfort
<b>Other health hazard info</b>	: Product may emit formaldehyde vapours at temps above 150°C in presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentrations less than one part per million (1ppm)

<sup>1</sup>Based on product test data

<sup>2</sup>Based on assessments from related products

<sup>3</sup>This information is based either on test data, extrapolation from tests on similar materials, review of component data or a combination of these sources

### 11) ECOLOGICAL INFORMATION

#### **Environmental fate & distribution**

Sponge material, insoluble in water, no adverse effects are predicted

#### **Ecotoxicity effects**

No adverse effects on aquatic organisms are predicted

#### **Bioaccumulation**

: No bioaccumulation potential

#### **Fate and effects in waste water treatment plants**

No adverse effects on bacteria are predicted

### 12) DISPOSAL CONSIDERATION

#### **Product Disposal**

: When disposing of cellular silicone rubber products, local authority bylaws should be respected. If incineration is used, the incinerator should be designed to effect complete combustion of the gases and fumes produced

#### **Packaging Disposal**

: Dispose of in accordance with local regulations

# S I L E X

## S I L I C O N E S

### 13) TRANSPORT INFORMATION

**Road/Rail (ADR/RID)**  
Not subject to ADR/RID

**Sea Transport (IMDG)**  
Not subject to an IMDG code

**Air Transport (ICAO)**  
Not subject to ICAO regulations

### 14) REGULATORY INFORMATION

**Labelling according to EEC Directive**  
No special labelling is required

### 15) OTHER INFORMATION

This product safety data sheet was prepared in compliance with Commission Directive 93/112/EC, 67/548/EEC and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulation and administrative provisions related to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces an article containing the Silex product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Silex product safety data sheet to their own product safety data sheet in compliance with Commission Directive 88/379/EEC.

All information and instructions provided in this safety data sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.