

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 ₂)	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

Personal Protection Equipment

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

8) PHYSICAL AND CHEMICAL PROPERTIES

Appearance

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

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

9) STABILITY AND REACTIVITY

Stability	: Stable under normal useage conditions
Conditions to avoid	: Prolonged contact with organic fluids
Hazardous decomposition products	: See section 10

10) TOXICOLOGICAL INFORMATION

On contact with eyes³	: No hazard known
On skin contact³	: No hazard known
If inhaled³	: No hazard known
On ingestion³	: Small amounts should not injure. Swallowing large amounts may cause digestive discomfort
Other health hazard info	: 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)

¹Based on product test data

²Based on assessments from related products

³This 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

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 product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the 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.