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MATERIAL SAFETY DATA SHEET
According to EC directive 91/155/EEC and subsequent amendments
Version 1.2 Issue Date: 8-06-2009

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product Name: silicone sponge

Company : Tym Seals and Gaskets Ltd
Unit A beacon business centre
Hopton park
devizes
wiltshire
SN10 2EY
TEL:01380 734150 Fax:01380 734511

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization : Chemically Blown, Cellular Silicone Elastomer

Ingredients	CAS No.	%
Name		
Ground Quartz (SiO ₂)	14808-60-7	<3
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 production process.

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

3. HAZARDS IDENTIFICATION

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

4. 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.



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5. 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.

6. 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.

7. 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.

8. ENGINEERING CONTROLS / PERSONAL PROTECTION

Exposure controls	: Refer to Section 7
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 practice. Wash after handling, especially before eating, drinking or smoking
Additional information	None known



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	Bulk Sponge.
Colour	See product name.
Physical State	Fully cross-linked chemically blown cellular rubber.
Density	250 kg/m ³ on a 25 mm diameter cord.
Explosive properties	None.

10. STABILITY AND REACTIVITY

Stability	Stable under normal usage conditions
Conditions to avoid	Prolonged contact with organic fluids
Hazardous decomposition products	See section 11

11. 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 Information³	Product may emit formaldehyde vapours at temperatures above 150C 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 (1 ppm).

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.



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12. ECOLOGICAL INFORMATION

Environmental fate and 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.

13. 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.

14. TRANSPORT INFORMATION

Road / Rail (ADR/RID)

Not subject to ADR/RID.

Sea transport (IMDG)

Not subject to IMDG code.

Air transport (ICAO)

Not subject to ICAO regulations.

15. REGULATORY INFORMATION

Labelling according to EEC Directive

No special labelling is required.