

Safety Data Sheet (91/155/EEC)



Material: HMA03 High Modulus Silicone Translucent 310ml

Version: 1.0 Date of last alteration: 16.06.2007

1 Identification of the substance/preparation and company

1.1 Identification of the substance or preparation:

Commercial Product Name: HMA03 High Modulus Silicone Sealant Translucent 310ml

1.2 Company/undertaking identification:

Distributor: Advanced Building Chemicals Limited
Street: Unit B, Eckland Lodge Business Park
City: Market Harborough
Code: Leicestershire

Telephone: +44 (0)1536 765551

Fax: +44 (0)1536 765552

Information:	Telefax	Telephone
	+44 (0)1635 765552	+44 (0)1536 765551

2 Composition/information on ingredients

2.1 Chemical characterisation:

Chemical characteristics

Mixture of Polydimethylsiloxanes, Amorphous Silica and cross-linkers.

Hazardous ingredients (EU):

CAS-No.	Material	Content			Warning Label (EU)	
		from	until	%	Symbol	R-Phrases
64742-46-7	Distillates, Petroleum, Hydrotreated Middle		<15	%	Xn, -	R65
176689-77-9	Silicic acid, Ethyl-Triacetate		<2	%	Xn, C -	R14, R22, R34
4253-34-3	Silicic acid, Methyl-Triacetate		<2	%	Xn, C -	R14, R22, R34

3 Hazards identification

3.1 Critical hazards to man and environment:

Main Hazards	Description
	-Slightly irritating to eyes, respiratory system and skin. After drying may stick to skin

3.2 Other Hazards

Description
- Combustible.
On contact with humidity, irritating vapours are released. During use acetic acid is released.
Slightly irritating to eyes, respiratory system and skin. After drying may stick to skin

3.3 Other Hazards

Further information	Description
	-According to EC criteria, this product is not classified as a hazardous preparation.

4 First-aid measures

4.1 Inhalation: Not specifically applicable

4.2 Skin contact: After contact with skin, remove product mechanically. Wash off with soap and water.

4.3 Eye contact: Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

4.4 Ingestion: Rinse mouth with water. Do not induce vomiting. Consult a Physician if necessary.

Safety Data Sheet (91/155/EEC)



Material: HMA03 High Modulus Silicone Translucent 310ml

Version: 1.0 Date of last alteration: 16.06.2007

5 Fire-fighting measures

- 5.1 **Suitable extinguishing media:** All standard extinguishing agents are suitable.
- 5.2 **Fire fighting protection:** Cool down containers exposed to heat with a water spray. Wear self contained breathing apparatus.

6 Accidental release measures

- 6.1 **Personal precautions:** Ensure adequate ventilation. Do not breathe vapours. Avoid contact with skin and eyes. Use personal protective equipment.
- 6.2 **Environmental precautions:** Product does not present any particular risk to the environment.
- 6.3 **Methods for cleaning up:** Use mechanical handling equipment. Scrape up or shovel into suitable container for disposal. Absorb residue with suitable inert material. Decontaminate and wash floor with an appropriate solvent, then wash with plenty of water.

7 Handling and storage

- 7.1 **Advice on safe handling:** Work outside or in well ventilated area. Wear personal protective equipment.
- 7.2 **Requirements for storage:** Keep containers tightly closed in a dry, cool and well ventilated place.

8 Exposure controls / personal protection equipment

- 8.1 **Hand protection advice:** There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanical injuries.
- 8.2 **Eye protection:** Safety glasses with side-shields.
- 8.3 **Hygiene Measures:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When handling, do not eat, drink or smoke. Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat, drink or smoke when handling.
- 8.4 **Protective measures:** Wear suitable gloves and eye/face protection. In the event of insufficient ventilation, using a respiratory protective device with gas filter is recommended.
- 8.5 **Occupational exposure limits:** Acetic acid WEL: 10ppm(25mg/m³)(8h TWA) – WEL: 15ppm (37mg/m³) (15mins STEL)

9 Physical and chemical properties

- 9.1 **Appearance**

Form.....:	Thixotropic paste
Colour.....:	Translucent
Odour.....:	Perceptible odor (like vinegar).
- 9.2 **Safety data Method: (67/548/EEC):**

Boiling point.....:	not applicable
Flash point.....:	not applicable
Ignition temperature.....:	> 460°C-580°C (DIN 51794)
Density.....:	approx. 1,03 g/cm ³ at 25 °C
Solubility in water.....:	virtually insoluble
pH-Value.....:	not applicable
Thermal decomposition.....:	not applicable

10 Stability and reactivity

- 10.0 **Stability:** Stable at room temperatures provided it is not in contact with air. Vulcanises at room temperature on contact with moisture in the air.
- 10.1 **Conditions to avoid:** No dangerous reactions known under normal conditions of use.
- 10.3 **Hazardous decomposition products:** During vulcanisation, acetic acid is released (quantity potentially released <3% off weight). On combustion, forms carbon oxides and amorphous silica.

Safety Data Sheet (91/155/EEC)



Material: HMA03 High Modulus Silicone Translucent 310ml

Version: 1.0 Date of last alteration: 16.06.2007

11 Toxicological information

- 11.0 **Acute toxicity:** Not classified as harmful by inhalation, by contact with skin or if swallowed.
- 11.2 **Local effects:** May be irritating to the respiratory system (at high vapour concentrations)
- 11.3 **Routes of exposure:** Refer to section 4 of this MSDS for routes of exposure and corresponding symptoms.

12 Ecological information

- 12.1 **Mobility:** Ultimate destination of the product: Soil and sediment.
- 12.2 **Bioultimate Aerobic Biodegradability:** Not biodegradable
- 12.3 **Bioaccumilation:** Petroleum distillate. Potentially bioaccumulable. Polydimethylsiloxane: Not bioaccumulable.
- 12.4 **Ecotoxicity:** Not considered to be harmful to aquatic organisms. Not classified as dangerous for the environment, according to EC criteria.

13 Disposal considerations

- 13.1 **Material Recommendation:** Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of in a domestic waste incinerator. Observe local by-laws. After solidification, material can be stored together with domestic waste. Observe local by-laws.
- 13.2 **Contaminated packaging:** Completely discharge containers. Containers may be recycled or re-used. Observe local/national by-laws.

14 Transport information

- 14.1 **Further information:** This product is not regarded as dangerous goods according to the National and International regulations of dangerous goods and is not restricted for transport according to RID/ADR, IMO/IMDG, ICAO-IATO.

15 Regulatory information

- 15.1 **Labelling According to Chemicals (Hazard information and packaging for supply)**
- 15.2 **Regulations 2002 – CHIP3.1;** Not applicable.
- 15.3 **Further information:** Not a hazardous substance or preparation according to EC directives 67/548/EEC or 1999/45/EC. No R or S phrases applicable

16 Other information

16.1 R-phrases, which are listed in section 2

- R10 – Flammable.
- R14 – Reacts violently with water.
- R22 – Harmful if swallowed.
- R34 – Causes burns.
- R35 – Causes severe burns.
- R45 – May cause cancer.
- R65 – Harmful; may cause lung damage if swallowed.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the content of the Material Safety Data Sheet.