

Overview

The material is a 2-part 1:1 platinum (vinyl addition) cure system.

Platinum, or vinyl addition, cure systems do not give off any vapors when curing so, consequently, there is no shrinkage of the final piece.

User Instructions

Mixing

Use 1 part A to 1 part of B

ie. 10g part A to 10g part B = 20g total

Curing

Work times are dependent on ambient working temperature.

Ensure that both parts are uniformly and evenly mixed.

HCR silicone elastomers should be stored in cool rooms after mixing. Prolonged storage at above 30°C can cause premature cross-linking.

For curing without a mould a prolonged cure at a lower temperature (50°C) is recommended to avoid air blows in the silicone.

Designed for external use only. Avoid use on broken skin.

1. Identification of Substance & Company:

Product Name(s)	Alsil HCR Silicone
Product Code(s)	AL10, AL20, AL35, AL60
Medical Device Class	Class I (according to Annex IX of EC Directive 93/42/EEC)
Product Category /Classification	G5 (according to Annex IX of EC Directive 93/42/EEC)
Main Use	Manufacture of custom prostheses
Company	Technovent Limited 5 York Park Bridgend South Wales, UK. CF31 3TB
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2. Composition / Information on ingredients:

Chemical Nature	Polydimethylsiloxane with Vinyl groups + fillers.
Hazardous Components	None, according to EU Directive 1999/45/EC

3. Hazards Identification:

Critical Hazards	None, according to EU Directive 1999/45/EC
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4. First Aid Measures:

Eye Contact	May cause temporary irritation Irrigate with water for 15 mins, holding eyelid open
Skin Contact	Remove excess and wash with soap and water
Inhalation of Vapour	Cannot be inhaled in supplied format.
Ingestion	Drink plenty of water. In case of sickness seek medical advice.

5. Fire Fighting Measures:

Hazards during firefighting	None
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6. Accidental Release Measures:

Personal Protection	No special measures required.
Environmental Precautions	No special measures required
Methods for clean-up	Absorb mechanically and dispose of according to regulations.

7. Handling & Storage:

Handling	No special precautions necessary Observe good housekeeping practises (HSE guidance note CS17)
Storage	Store at room temperature or refrigerated

8. Exposure Controls / Personal Protection:

General Protective Measures	None deemed necessary
Components with workplace parameters	None, according to EU Directive 88/379/EC
Respiratory Protection	Not deemed necessary
Hand Protection	Not deemed necessary, gloves recommended
Eye Protection	Not deemed necessary, eye glasses recommended
Skin Protection	Not deemed necessary
Hygiene Measures	Do not eat, drink or smoke when handling product

9. Physical & Chemical Properties:

Physical Form	Paste
Colour	As specified
Odour	Mild
Flash Point	>150°C
Vapour pressure	N/a
Relative Density	As specified
pH	Not determined
Viscosity	Not determined

10. Stability & Reactivity:

The product is stable under normal storage conditions (refer to Section 7)	
Incompatible materials	Presence of sulphur may interfere with proper curing reaction

11. Toxicological Information:

Long term experience of this product indicates no danger to health when used correctly

12. Ecological Information:

Degradation/elimination	Product does not degrade
Bioaccumulation	No evidence for bioaccumulation
Ecotoxic effects	This product is not classified as Dangerous to the Environment

13. Disposal Considerations:

Waste product should not be discharged directly into drains or waterways.	
Disposal of product and packaging should always comply with local and national regulations	
EU waste code number	No Waste Code Number available

14. Transport Information:

This product is not classified as Dangerous for Carriage – no special packaging or labelling requirements.

15. Regulatory Information:

Symbol	Not subject to labelling
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16. Other Information:

All information given in this Health & Safety Data Sheet is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use nor does it replace the need for your own risk assessment. All information presented in accordance with EC Directive 2001/58/EC and is correct at date of publication and is given in good faith but without warranty. We cannot accept liability for any loss, damage or patent infringement resulting from the use of this information. As with all materials, care should be exercised when handling.