

# SAFETY DATA SHEET

Revision date: 20th November 2009

## Marley Alutec Low Modulus Silicone

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product name** : Marley Alutec Low Modulus Silicone  
**Use of the product** : Sealant for the building industry  
**Supplier** : Marley Alutec

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterisation** : Mixture based on polydimethylsioxane, fillers, additives and curing agents.

<u>Hazardous ingredients</u> $\geq 1\%$	<u>CAS</u>	<u>Einecs</u>	<u>Weight</u>	<u>Danger</u>	<u>Risk</u>
<u>And toxic ingredients</u> $\geq 0.1\%$	<u>Number</u>	<u>Number</u>	<u>%</u>	<u>Symbol</u>	<u>Phrases</u>
Trimethoxyvinylsilane	2768-02-7	/	1-5	Xn	20/22
Methyltrimethoxysilane	1185-55-3	214-685-0	1-5	Xn	22
3-aminopropylmethylsilsesquioxanen	128446-60-6	/	1-5	Xi	36/38
Methanol	67-56-1	200-659-6	0,5-1,0	F,T	11-23/24/25-39/23/24/25

### 3. HAZARDS IDENTIFICATION

**Potential health effects** : None, when used normally.

### 4. FIRST AID MEASURES

**Eyes** : In case of contact flush eyes immediately with plenty of water for at least 15 minutes.  
 Lift eyelids and rinse well underneath them. Get medical attention if irritation persists.

**Mouth (ingestion)** : Rinse mouth with water several times. Consult a physician and show this Safety Data Sheet.

**Lungs (inhalation)** : Fresh air and rest. Get medical attention if complaint persists.

**Skin** : Remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

**Clothes** : Remove contaminated clothing.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** : CO<sub>2</sub>, powder, foam and water spray.  
**Unsuitable extinguishing media** : Unknown.  
**Special fire fighting procedures** : Wear protective clothing and breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions** : Keep away from drains and watercourses.  
**Clean up procedures** : Wipe, scrape or soak up in inert material and put in a container for disposal.  
**Personal precautions** : Wear proper protective equipment as described in the 'eye and skin protection' section of chapter 8

### 7. HANDLING AND STORAGE

**Handling** : Handle in well-ventilated area. Avoid contact with skin, eyes and do not swallow.  
**Storage** : Store in closed packing between 5°C and 25°C away from direct sunlight and other sources of heat.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Occupational exposure limit** : MAC-TLV methanol:260 mg/m<sup>3</sup>,200ppm  
**Respiratory protection** : Avoid breathing the vapour. Maintain good ventilation.  
**Eye and skin protection** : Avoid contact with skin and eyes. Wear safety glasses.  
**Industrial hygiene** : When using do not eat, drink or smoke. Wash hands after work and before breaks.  
 Don't rub eyes with dirty hands.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	: paste	<b>Flash point</b>	: NA °C
<b>Colour</b>	: miscellaneous	<b>Lower explosion limit</b>	: NA vol-%
<b>Odour</b>	: Slight	<b>Upper explosion limit</b>	: NA vol-%
<b>Density (water=1)</b>	: 1,02 g/ml	<b>Ignition temperature</b>	: NA °C
<b>pH (water=7)</b>	: NA	<b>Vapour pressure</b>	: NA mbar
<b>Boiling point (water=100)</b>	: NA °C	<b>Mixable with water</b>	: no
<b>Freezing point (water=0)</b>	: NA °C	<b>Mixable with organic solvents</b>	: yes
		<b>VOC-content</b>	: 0 weight-%

## 10. STABILITY AND REACTIVITY

<b>Hazardous decomposition products</b>	: CO, CO <sub>2</sub> , SiO <sub>2</sub> , en NO <sub>x</sub> . In contact with water: methanol.
<b>Materials to avoid</b>	: Reacts with water and forms methanol.
<b>Conditions to avoid</b>	: Unknown

## 11. TOXICOLOGICAL INFORMATION

Product information	Methanol	Methyltrimethoxysilane
<b>Acute oral LD50 (mg/kg)</b>	: 5628 (rat)	12500 (rat)
<b>Acute dermal LD50 (mg/kg)</b>	: Unknown	unknown
<b>Acute inhalation LC50 (mg/l)</b>	: Unknown	unknown
<b>Other information</b>	: Unknown	

For information on hazardous substances see 'chapter' 2.

## 12. ECOLOGICAL INFORMATION

Avoid release of uncured product into the environment

<b>Degradability</b>	: Silicone part not biodegradable
<b>Ecotoxicity</b>	: Unknown
<b>WGK (Germany)</b>	: 1

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national legislation.

<b>Waste code uncured (Germany)</b>	: 080402
<b>Waste code cured (Germany)</b>	: 080404

## 14. TRANSPORT INFORMATION

<b>By sea according IMDG-Code</b>	: Not applicable
<b>By land according ADR</b>	: Not applicable
<b>By air according ICAO/IATA-DGR</b>	: Not applicable
<b>UN-number</b>	: Not applicable
<b>Proper shipping name</b>	: Not applicable

## 15. REGULATORY INFORMATION

To the labeling requirements of EC Directives 67/548/EC and 1999/45/EC:

<b>Danger Symbol</b>	: Not applicable
<b>Contains</b>	: Not applicable
<b>R-phrases</b>	: Not applicable
<b>S-phrases</b>	: Not applicable
<b>For professional user</b>	: Safety Data Sheet available.
<b>For DIY user</b>	: Tactile warning not applicable.

## 16. OTHER INFORMATION

This Product Safety Data Sheet conforms to EC Directive 91/155/EEC as well as its amendments including 2001/58/EC. This data is offered in good faith as typical values and not as product specifications. No warranty either expressed or implied, is hereby made.

The recommended industrial and safe handling procedures are believed to be generally applicable, each user should review the recommendations in the specific context of the intended use and determine whether they are appropriate.

<b>NA</b>	: Not Applicable
<b>Unk</b>	: Unknown