

Safety Data Sheet

according to Regulation (EC) No 1907/2006

AISil Gums – AL10A/B/C, AL20A/B/C, AL35A/B/C, AL60A/B/C, AL80A/B/C

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1) Product And Company Identification

1.1) Product Identifier:

Product Name: AISil Gum

Product Code(s): AL10A/B/C, AL20A/B/C, AL35A/B/C, AL60A/B/C, AL80A/B/C

1.2) Relevant identified uses of the substance or mixture

High Consistency Silicone Elastomer

1.3) Details of the Supplier of the data sheet:

Company name: Technovent Ltd
Street: Unit 5 York Park
Place: Bridgend CF31 3TB
UK
Telephone: +44 1656 768566
e-mail: info@technovent.com
Internet: www.technovent.com
+44 1656768566

1.4) Emergency number:

This number is only obtainable during office hours:
(Monday - Thursday 9.00 am - 5.00 pm, Friday 9.00 am - 4.00 pm)

2) Hazards Identification

2.1) Classification

This product is not a dangerous preparation within the meaning of Regulation (EC) No. 1272/2008

2.2) Label Elements

labelling according to Regulation (EC) No. 1272/2008

No labelling according to GHS required. Safety Data Sheet available on request.

3) Composition. Information on ingredients

3.1) Substances

Not applicable

3.2) Mixtures

3.2.1) Chemical Characteristics

PolyDiMethylSiloxane with Vinyl Groups and Fillers and Auxiliaries (ASTM Classification VMQ)

3.2.2) Hazardous Ingredients

This material does not contain any ingredients above the permitted limit(s)

Type	CAS No.	EC-No. REACH no.	Material	Content %	Classification according to Regulation (EC) No. 1272/2008*	Comment
INHA	78-27-3	201-100-9 01-2119966151-41	Ethynyl cyclohexanol	<3	Eye Irrit. 2; H319 Acute Tox. 3 dermal; H311 Acute Tox. 4 oral; H302 Skin Irrit. 2; H315	[1]

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Type: INHA: ingredient, VERU: impurity

[1] = Hazardous or environmentally harmful substance; [2] = substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance

*Classification codes are explained in section 16.

The product contains the following SVHC candidate(s) (substance of very high concern) in amounts above the permitted limit:

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CAS No.	Material	Content[%]	Reason for inclusion
556-67-2	Octamethylcyclotetrasiloxane	$\geq 0,1 - < 0,5$	Persistent, bioaccumulative and toxic (article 57d) Very persistent and very bioaccumulative (article 57e)
541-02-6	Decamethylcyclopentasiloxane	$\geq 0,1 - < 0,5$	Persistent, bioaccumulative and toxic (article 57d) Very persistent and very bioaccumulative (article 57e)
540-97-6	Dodecamethylcyclohexasiloxane	$\geq 0,1 - < 0,5$	Persistent, bioaccumulative and toxic (article 57d) Very persistent and very bioaccumulative (article 57e)

4) First Aid Measures

4.1) Description of first aid measures

General Information

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible)

After Inhalation

Material cannot be inhaled under normal conditions

After contact with skin

Wipe off excess material with cloth or paper. Wash with plenty of water or soap and water. In the event of a visible skin change or other complaints, seek medical advice (Show SOS where possible).

After contact with eyes

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation

After swallowing

Give several small portions of water to drink. Do not induce vomiting.

4.2) Most Important Symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3) Indication of any immediate medical attention and special treatment needed

Further toxicology information in Section 11 must be observed.

5) Firefighting Measures

5.1) Suitable extinguishing media

Water mist, extinguishing powder, alcohol-resistant foam, carbon dioxide, sand.

Extinguishing media which must not be used for safety Reasons

Water Jet

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| 5.2) Special hazards arising from substance or mixture | Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard. Hazardous combustion products: toxic and very toxic fumes. |
| 5.3) Advice for Firefighters. Special protective equipment for fire fighting | Use respiratory protection independent of recirculated air. Keep unprotected persons away . |

6) Accidental release measures

- | | |
|--|--|
| 6.1) Personal precautions, protective equipment and emergency procedures | Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material. |
| 6.2) Environmental precautions | Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Retain contaminated water/ extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground. |
| 6.3) Methods and material for containment and cleaning up | Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction . |
| 6.4) Reference to other sections | Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (Section 8) and on disposal (Section 13) |

7) Handling Storage

- | | |
|---|---|
| 7.1) Precautions for safe handling | Observe information in Section 8.
Observe the general rules for fire prevention. |
| 7.2) Conditions for safe storage, including any incompatibilities | Observe local/state/federal regulations. Store in a dry and cool place. |
| 7.3) Specific end use(s) | No data available |
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8) Exposure controls/personal protection

8.1) Control parameters

Not applicable

8.2) Exposure Controls

8.2.1) Exposure in the work place limited and controlled

General protection and hygiene measures

Observe standard industrial practices for the handling of chemical substances. Do not eat, drink or smoke when handling.

Personal Protection Equipment

Respiratory protection

No personal respiratory protective equipment normally required.

Eye protection

Recommendation: protective goggles.

Hand protection

Use of protective gloves is recommended when handling the material.

Recommended glove types: Protective gloves made of nitrile rubber thickness of the material: > 0,1 mm, Breakthrough time: > 480 min

Recommended glove types: Protective gloves made of butyl rubber thickness of the material: > 0,3 mm Breakthrough time:> 480 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

8.2.2) Exposure to the environment limited and controlled

Prevent material from entering surface waters, drains or **sewers and soil.**

8.3) Further information for system design and engineering measures

Observe information in section 7. Observe national regulatory requirements.

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9) Physical and Chemical Properties

9.1) Information on basic physical and chemical properties

Property:	Value:	Method:
Appearance		
Physical state/ form	Paste/	
Colour	Opaque	
Odour	Faint	
Odour limit	No data available	
PH Value	Not applicable	
Melting Point/freezing point	Not applicable	
Initial boiling point and boiling range	Not applicable	
Flash point	> 140°C	(DIN 51376)
Evaporation Rate	No Data Available	
Upper/Lower flammability or explosive limits		
Lower Explosion Limit (LEL)	Not Applicable	
Upper Explosion Limit UEL)	Not Applicable	
Vapour Pressure	Not Applicable	
Solubility (ies) - Water solubility/miscibility	Virtually insoluble	
Vapour Density- Relative Gas/Vapour density	No Data known	
Relative Density	Approx. 1.12 (20°C) (Water/4°C=1,00)	(DIN 53479)
Density	Approx. 1.12 g/ cm¹ (20°C)	(DIN 53479)
Partition Coefficient: n-octanol/water	No data known	
Auto-ignition temperature	>400°C	(DIN 51794)
Viscosity (Dynamic)	>9000000mPa.s	
Decomposition temperature	>250°C	
Molecular Mass	Not applicable	

9.2 Other Information **No Data Available**

10) Stability and reactivity

10.1-10.3) Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section

10.4) Conditions to Avoid

None known

10.5) Incompatible materials

None known

10.6) Hazardous decomposition products

If stored and handled properly; none known. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C (302°F) through oxidation

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11) Toxicological Information

11.1) Acute toxicity	According to present knowledge, the material is physiologically compatible and is not mutagenic, carcinogenic or teratogenic
11.1.2) Skin Corrosion/Irritation	Not Irritating
11.1.3) Serious Eye Damage	Not Irritating
11.1.4) Respiratory or Skin sensitization	Not Sensitizing
11.1.5) Germ Cell Mutagenicity	For this endpoint no toxicological test data is available for the whole product
11.1.6) Carcinogenicity	For this endpoint no toxicological test data is available for the whole product
11.1.7) Reproductive Toxicity	For this endpoint no toxicological test data is available for the whole product
11.1.8) Specific Target Organ Toxicity (Single Exposure)	For this endpoint no toxicological test data is available for the whole product
11.1.9) Specific Target Organ Toxicity (Repeated Exposure)	For this endpoint no toxicological test data is available for the whole product
11.1.10) Aspiration Hazard	Based on the physical-chemical properties of the product no aspiration hazard must be expected.

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12) Ecological Information

- 12.1) Toxicity Assessment based on ecotoxicological tests with similar products under consideration of the physical-chemical properties: For this product no effects on aquatic organisms, relevant for classification, are expected. According to current **knowledge adverse effects on water** purification plants are not expected.
- 12.2) Persistence and **degradability** Silicone content: biologically not degradable. Separation by
- 12.3) Bioaccumulative potential Polymer component: No adverse effects expected.
- 12.4) **Mobility** in Soil Silicone content: Insoluble in water.
- 12.5) Results of PBT and vPvB assessment No data available.
- 12.6) Other adverse effects none known
- 12.7) Additional Information Easily separable from water by filtration.

13) Disposal considerations

- 13.1) Waste Treatment Methods
- 13.1.1) Material Recommendation:
Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.
- 13.1.2) Uncleaned packaging Recommendation:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.
- 13.1.3) Waste Disposal Legislation Ref. No. (EC) It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The **waste** code is to be determined within the EU in liaison with the waste-disposal operator.

14) Transport Information

- 14.1-14.4) UN Number; UN proper shipping name; Transport hazard class(es); Packing group Not regulated for transport

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14.5) Environmental hazards	Not hazardous
14.6) Special precautions for user	Relevant information in other sections has to be considered.
14.7) Transport in bulk according to Annex II of MARPOL and the IBC Code	Bulk transport in tankers is not intended

15) Regulatory Information

15.1) Safety, health and environmental regulations/legislation specific for the substance or mixture	<p>National and Local regulations must be observed. For information on labelling please refer to section 2 of this document.</p> <p>Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III): Not applicable</p> <p>Relevant regulations: SI 2002/1689: CHIP Regulations 2002 SI 2002/2677: COSHH Regulations 2002 SI 1999/3242: Management of Health & Safety at Work Regulations 1999 Health & Safety at Work Act 1974 SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations. Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.</p> <p>Other specifications, restrictions and prohibitions: Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable</p>
15.2) Chemical Safety Assessment	A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.
15.3) Details of international registration status	
European Economic Area (EEA)	<p>REACH (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.</p>

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16) Other Information

16.1) Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

16.2 Further Information

This version supersedes all previous versions