Factor II Inc. encourages the end user to read this document entirely and understand all sections of this SDS sheet prior to use. There is important information regarding this product. The end user is expected to follow all precautions outlined in this SDS.

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name : ALSIL GUM

Product Code : A-110

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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EMERGENCY TELEPHONE NUMBERS

928- 368-7502

SECTION 2: HAZARD(S) IDENTIFICATION

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

2.2 Label Elements:
No labelling according to GHS required. Safety Data Sheet available upon request.

SECTION 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	Ethinyl cyclohexanol	<3	Eye Irrit. 2; H319 Acute Tox. 3 Dermal; H311 Acute Tox. 4 oral; H302 Skin Irrit. 2; H315	[1]

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:

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

SECTION 4: FIRST-AID MEASURES

4.1 Description of First aid measures:

General Information:

In case of accident or if you feel unwell, seek medial advice show 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 SDS 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.

SECTION 5: FIRE-FIGHTING 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

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.**

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment for fire fighting

Secure the area. Wear personal protective equipment (see section 8). Keep unprotected persons away. If material is released, indicate the 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 must be considered. This applies in particular for information given on personal protective equipment (Section 8) and on disposal (Section 13).

SECTION 7: HANDLING AND 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

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Not applicable

8.2 Exposure Controls:

Not applicable

8.2.1 Exposure in the workplace 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 is 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 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.

SECTION 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°	**(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/cm^1 (20°C)**	**(DIN 53479)**
Partion Coefficient: n-octanol/water	**No data known**	
Auto-ignition temperature	**>400°C**	**(DIN 51794)**
Viscosity (Dynamic)	**>9000000mPa.s**	
Decompostion temperature	**>250°C**	
Molecular Mass	**Not applicable**	

9.2 Other Information:

No data available

SECTION 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.

SECTION 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.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Assessment based on ecotoxicological tests with similar products under consideration of 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 Bio accumulative 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.

SECTION 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.

SECTION 14: TRANSPORT INFORMATION

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

14.5 Environmental hazards
Not hazardous

14.6 Special precautions for user
Relevant information in another section must be considered.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code
Bulk transport in tankers in not intended.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National and local regulations must be observed. For information on labeling please refer to section 2 of this document.

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

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 and 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.

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.

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) **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 the latter.

SECTION 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, 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.

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