SECTION 1: Identification of the Substance/mixture and of the Company/Undertaking

1.1. Product Identifier
Product form: Mixture
Product Name: MED3-6311 Part A
Synonyms: Silicone Gel

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against
1.2.1. Relevant Identified Uses
Use of the Substance/Mixture: For professional use only.

1.2.2. Uses Advised Against
No additional information available

1.3. Details of the Supplier of the Safety Data Sheet
NuSil Technology LLC
1050 Cindy Lane
Carpinteria, California 93013
USA
(805) 684-8780
ehs@nusil.com
www.nusil.com

1.4. Emergency Telephone Number
Emergency Number: 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International and Maritime)

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture
Classification According to Regulation (EC) No. 1272/2008 [CLP]
Not classified

2.2. Label Elements
Labelling According to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable

2.3. Other Hazards
Other Hazards Not Contributing to the Classification: Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/Information on Ingredients

3.1. Substances
Not applicable

3.2. Mixture
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II
**SECTION 4: First Aid Measures**

4.1. **Description of First-aid Measures**

First-Aid Measures General
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-Aid Measures After Inhalation
When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-Aid Measures After Skin Contact
Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Eye Contact
Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Ingestion
Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. **Most Important Symptoms and Effects Both Acute and Delayed**

Symptoms/Effects
Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Effects After Inhalation
Prolonged exposure may cause irritation.

Symptoms/Effects After Skin Contact
Prolonged exposure may cause skin irritation.

Symptoms/Effects After Eye Contact
May cause slight irritation to eyes.

Symptoms/Effects After Ingestion
Ingestion may cause adverse effects.

Chronic Symptoms
None expected under normal conditions of use.

4.3. **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

**SECTION 5: Firefighting Measures**

5.1. **Extinguishing Media**

Suitable Extinguishing Media
Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media
Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. **Special Hazards Arising From the Substance or Mixture**

Fire Hazard
Not considered flammable but may burn at high temperatures.

Explosion Hazard
Product is not explosive.

Reactivity
Hazardous reactions will not occur under normal conditions.

Hazardous Decomposition
Silicon oxides. Carbon oxides (CO, CO₂). Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapours. Formaldehyde is a potential carcinogen and can act as a skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

5.3. **Advice for Firefighters**

Precautionary Measures Fire
Exercise caution when fighting any chemical fire.
Firefighting Instructions
Protection During Firefighting


SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures
Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel

Protective Equipment
Use appropriate personal protective equipment (PPE).

Emergency Procedures
Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment
Equip cleanup crew with proper protection.

Emergency Procedures
Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment
含 any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods For Cleaning Up
Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Precautions for Safe Handling
Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures
Comply with applicable regulations.

Storage Conditions
Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials
Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(S)

No additional information available
SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters
No additional information available

8.2. Exposure Controls

Appropriate Engineering Controls
Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment
Gloves. Protective clothing. Protective goggles.

Materials for Protective Clothing
Chemically resistant materials and fabrics.

Hand Protection
Wear protective gloves.

Eye Protection
Chemical safety goggles.

Skin and Body Protection
Wear suitable protective clothing.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information
When using, do not eat, drink or smoke.

SECTION 9: Physical and Chemical Hazards

9.1. Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
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<td>Odour</td>
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<tr>
<td>pH</td>
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<tr>
<td>Evaporation Rate</td>
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<td>Boiling Point</td>
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<tr>
<td>Flash Point</td>
<td>&gt; 135 °C (&gt; 275 °F)</td>
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<td>Auto-Ignition Temperature</td>
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<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
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<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not applicable</td>
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<tr>
<td>Vapour Pressure</td>
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<td>Relative Vapour Density At 20 °C</td>
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<tr>
<td>Relative Density</td>
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<tr>
<td>Solubility</td>
<td>No data available</td>
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<tr>
<td>Partition Coefficient n-Octanol/Water</td>
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<tr>
<td>Viscosity, Kinematic</td>
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<tr>
<td>Viscosity, Dynamic</td>
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<td>Explosive Properties</td>
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<tr>
<td>Oxidising Properties</td>
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<tr>
<td>Explosive Limits</td>
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</table>
SECTION 10: Stability and Reactivity

10.1. Reactivity
Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability
Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility Of Hazardous Reactions
Hazardous polymerization will not occur.

10.4. Conditions To Avoid
Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials
Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products
None expected under normal conditions of use.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects
Acute Toxicity: Not classified
Skin Corrosion/Irritation: Not classified
Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reprotoductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified

SECTION 12: Ecological Information

12.1. Toxicity
Ecology - General: Not classified.

12.2. Persistence and Degradability
MED3-6311 Part A
Persistence and Degradability: Not established.

12.3. Bioaccumulative Potential
MED3-6311 Part A
Bioaccumulative potential: Not established.

12.4. Mobility in Soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other Adverse Effects
Other Information: Avoid release to the environment.
SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods
Product/Packaging Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.
Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.
Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.
In accordance with ADR / RID / IMDG / IATA / ADN

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<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<td>14.1. UN number</td>
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<td>14.2. UN proper shipping name</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
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<td>14.3. Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
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<td>14.4. Packing group</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
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<tr>
<td>14.5. Environmental hazards</td>
<td>Danger for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
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<td>14.6. Special precautions for user</td>
<td>No additional information available</td>
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<td></td>
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<td>14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code</td>
<td>Not applicable</td>
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</table>

SECTION 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture
15.1.1. EU-Regulations
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National Regulations
No additional information available

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out

SECTION 16: Other Information

Indication of Changes

<table>
<thead>
<tr>
<th>Section</th>
<th>Section Header</th>
<th>Change</th>
<th>Date Changed</th>
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<td>2</td>
<td>Classification of the substance or mixture</td>
<td>Modified</td>
<td>20/12/2018</td>
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<td>3</td>
<td>Composition/information on ingredients</td>
<td>Modified</td>
<td>20/12/2018</td>
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Date of Preparation or Latest Revision

Data Sources 20/12/2018

Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.


Other Information

Abbreviations and Acronyms

<table>
<thead>
<tr>
<th>Abbreviation/Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>ADN</td>
<td>Agreement Between the European Communities Concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration Factor</td>
</tr>
<tr>
<td>BEI</td>
<td>Biological Exposure Indices (BEI)</td>
</tr>
<tr>
<td>BOD</td>
<td>Biochemical Oxygen Demand</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service Number</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification, Labelling and Packaging Regulation (EC) No 1272/2008</td>
</tr>
<tr>
<td>COC</td>
<td>Chemical Oxygen Demand</td>
</tr>
<tr>
<td>EC</td>
<td>European Community</td>
</tr>
<tr>
<td>EC50</td>
<td>Median Effective Concentration</td>
</tr>
<tr>
<td>EEC</td>
<td>European Economic Community</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>EmS-42 (Spillage)</td>
<td>Emergency Schedule Spillage</td>
</tr>
<tr>
<td>EU</td>
<td>European Union</td>
</tr>
<tr>
<td>erC30</td>
<td>EC30 in terms of Reduction Growth Rate</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System of Classification and Labelling of Chemicals</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IBC</td>
<td>International Bulk Chemical Code</td>
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<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
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<tr>
<td>IP/IV</td>
<td>Ipatlakia Pavleki Ribina Dysds</td>
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<tr>
<td>IOELV</td>
<td>Indicative Occupational Exposure Limit Value</td>
</tr>
<tr>
<td>LC50</td>
<td>Median Lethal Concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Median Lethal Dose</td>
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<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>LOEC</td>
<td>Lowest-Observed Effect Concentration</td>
</tr>
<tr>
<td>Log Koc</td>
<td>Soil Organic Carbon-water Partitioning Coefficient</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Octanol/water Partition Coefficient</td>
</tr>
<tr>
<td>Log Pow</td>
<td>Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water</td>
</tr>
<tr>
<td>MAK</td>
<td>Maximum Workplace Concentration/Maximum Permissible Concentration</td>
</tr>
<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Pollution</td>
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<tr>
<td>NDS</td>
<td>Najwyzsze Dopuszczalne Stezenie</td>
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<tr>
<td>NDSCh</td>
<td>Najwyzsze Dopuszczalne Stezenie Chwilowe</td>
</tr>
<tr>
<td>NDSp</td>
<td>Najwyzsze Dopuszczalne Stezenie Pulapowe</td>
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<tr>
<td>NOAEL</td>
<td>No-Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOEC</td>
<td>No-Observed Effect Concentration</td>
</tr>
<tr>
<td>NRD</td>
<td>Nevstvynas Ribina Dysds</td>
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<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>OEL</td>
<td>Occupational Exposure Limits</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>pH</td>
<td>Potential Hydrogen</td>
</tr>
<tr>
<td>REACH</td>
<td>Registration, Evaluation, Authorisation, and Restriction of Chemicals</td>
</tr>
<tr>
<td>RID</td>
<td>Regulations Concerning the International Carriage of Dangerous Goods by Rail</td>
</tr>
<tr>
<td>SADT</td>
<td>Self Accelerating Decomposition Temperature</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
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<tr>
<td>TA-Luft</td>
<td>Technische Anleitung zur Reinhaltung der Luft</td>
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<tr>
<td>TEL TRK</td>
<td>Technical Guidance Concentrations</td>
</tr>
<tr>
<td>ThOD</td>
<td>Theoretical Oxygen Demand</td>
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<td>TLM</td>
<td>Median Tolerance Limit</td>
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<td>TLV</td>
<td>Threshold Limit Value</td>
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<td>Trumpalakia Pavleki Ribina Dysds</td>
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<td>TRGS 510</td>
<td>Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in ortsbeweglichen Behaltern</td>
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<td>TRGS 522</td>
<td>Technische Regel für Gefahrstoffe - N-Nitrosamine</td>
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<td>TRGS 900</td>
<td>Technische Regel für Gefahrstoffe 900 - Arbeitplatzzugangsverziete</td>
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<td>TRGS 903</td>
<td>Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte</td>
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<td>TSCA</td>
<td>Toxic Substances Control Act</td>
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<td>TWA</td>
<td>Time Weighted Average</td>
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<td>VOC</td>
<td>Volatile Organic Compounds</td>
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<td>VLA-EC</td>
<td>Valor Limite Ambient Exposición de Carta Duración</td>
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<td>VLA-ED</td>
<td>Valor Limite Ambient Exposición Diaria</td>
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<tr>
<td>VLE</td>
<td>Valor Limite D’exposition</td>
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<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
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<td>WEL</td>
<td>Workplace Exposure Limit</td>
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<td>WSGK</td>
<td>Wassergefährdungsklasse</td>
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</table>

The information provided in this Safety Data Sheet (SDS) was prepared based on data believed to be accurate as of the date of this SDS. TO THE GREATEST EXTENT PERMITTED BY LAW, NUSIL TECHNOLOGY LLC AND ITS AFFILIATED COMPANIES (“NUSIL”) EXPRESSLY DISCLAIMS ANY AND ALL REPRESENTATIONS AND WARRANTIES REGARDING THE INFORMATION CONTAINED HEREIN INCLUDING, WITHOUT LIMITATION, AS TO ACCURACY, COMPLETENESS, FITNESS FOR PURPOSE OR USE, MERCHANTABILITY, NON-INFRINGEMENT, PERFORMANCE, SAFETY, SUITABILITY AND STABILITY. This SDS is intended as a guide to the appropriate use, handling, storage and disposal of
the product to which it relates by properly trained personnel, and is not intended to be comprehensive. Users of NuSil’s products are advised to perform their own tests and to exercise their own judgment to determine the safety, suitability and appropriate use, handling, storage and disposal of each product and product combination for their own purposes and uses. TO THE GREATEST EXTENT PERMITTED BY LAW, NUSIL DISCLAIMS LIABILITY FOR, AND BY USING NUSIL’S PRODUCTS PURCHASER AGREES THAT UNDER NO CIRCUMSTANCES SHALL NUSIL BE LIABLE FOR, SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY TYPE OR KIND, INCLUDING WITHOUT LIMITATION, FOR LOSS OF PROFITS, REPUTATIONAL DAMAGE, PRODUCT RECALL OR BUSINESS INTERRUPTION.
SECTION 1: Identification of the Substance/mixture and of the Company/Undertaking

1.1. Product Identifier
Product form: Mixture
Product Name: MED3-6311 Part B
Other means of identification: Silicone Gel

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against
1.2.1. Relevant Identified Uses
Use of the Substance/Mixture

1.2.2. Uses Advised Against
No additional information available

1.3. Details of the Supplier of the Safety Data Sheet
NuSil Technology LLC
1050 Cindy Lane
Carpinteria, California 93013
USA
(805) 684-8780
ehs@nusil.com
www.nusil.com

1.4. Emergency Telephone Number
Emergency Number: 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International and Maritime)

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture
Classification According to Regulation (EC) No. 1272/2008 [CLP]
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H335
Full text of hazard classes and H-statements: see section 16

2.2. Label Elements
Labelling According to Regulation (EC) No. 1272/2008 [CLP]
Hazard Pictograms (CLP)

Signal Word (CLP) Hazardous Ingredients Hazard Statements (CLP) Precautionary Statements (CLP)
Warning Siloxanes and Silicones, dimethyl, methyl hydrogen H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.
P261 - Avoid breathing vapors, mist, or spray P264 - Wash hands, forearms, and exposed areas thoroughly after handling
MED3-6311 Part B
Safety Data Sheet

P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear eye protection, protective clothing, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of water
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor if you feel unwell
P321 - Specific treatment (see Section 4 on this SDS)
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations

2.3. Other Hazards
Other Hazards Not Contributing to the Classification
Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/Information on Ingredients

3.1. Substances
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification According to Regulation (EC) No. 1272/2008 [CLP]</th>
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| Siloxanes and Silicones, dimethyl, methyl hydrogen | (CAS-No.) 68037-59-2 | 30 - 80 | Skin Irrit. 2, H315
|                               |                    |     | Eye Irrit. 2, H319                                           |
|                               |                    |     | STOT SE 3, H335                                              |

Full text of H-statements: see section 16

SECTION 4: First Aid Measures

4.1. Description of First-aid Measures
First-Aid Measures General
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

First-Aid Measures After Inhalation
Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
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First Aid Measures After Skin Contact
 Remove contaminated clothing. Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

First Aid Measures After Eye Contact
 Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First Aid Measures After Ingestion
 Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Effects

First Aid Measures After Skin Contact: Causes skin irritation.

First Aid Measures After Eye Contact: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

First Aid Measures After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Symptoms/Effects After Inhalation: May cause respiratory irritation.

Symptoms/Effects After Skin Contact: Causes skin irritation.

Symptoms/Effects After Eye Contact: May cause skin irritation.

Symptoms/Effects After Ingestion: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire. Application of water stream to hot product may cause frothing and increase fire intensity.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but will burn at high temperatures.

 Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Hazardous Decomposition: Carbon oxides (CO, CO₂). Silicon oxides.

Products in Case of Fire

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Refer to Section 9 for flammability properties.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).
6.1.1. For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protective equipment (PPE).

6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and Materials for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods For Cleaning Up: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections
See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Comply with applicable regulations.
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.


7.3. Specific End Use(S)
To provide heat transfer between electrical/electronic components and their heat sinks. For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters
No additional information available

8.2. Exposure Controls
Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas.
Emergency controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.
Personal Protective Equipment: Protective goggles, Gloves, Protective clothing.

- Materials for Protective Clothing: Chemically resistant materials and fabrics.
- Hand Protection: Wear chemically resistant protective gloves.
- Eye Protection: Chemical safety goggles.
- Skin and Body Protection: Wear suitable protective clothing.
- Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

SECTION 9: Physical and Chemical Hazards

9.1. Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
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<tr>
<td>Colour</td>
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</tr>
<tr>
<td>Odour</td>
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<td>pH</td>
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<tr>
<td>Melting Point</td>
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</tr>
<tr>
<td>Freezing Point</td>
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</tr>
<tr>
<td>Boiling Point</td>
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</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 135 °C (&gt; 275 °F)</td>
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<tr>
<td>Auto-Ignition Temperature</td>
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<tr>
<td>Decomposition Temperature</td>
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<tr>
<td>Flammability (Solid, Gas)</td>
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<td>Vapour Pressure</td>
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<td>Relative Vapour Density At 20 °C</td>
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<td>Solubility</td>
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<tr>
<td>Partition Coefficient n-Octanol/Water</td>
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<tr>
<td>Viscosity, Kinematic</td>
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<tr>
<td>Viscosity, Dynamic</td>
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<tr>
<td>Explosive Properties</td>
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<td>Oxidising Properties</td>
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<td>Explosive Limits</td>
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</table>

9.2. Other Information

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SECTION 10: Stability and Reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility Of Hazardous Reactions
Hazardous polymerization will not occur.

10.4. Conditions To Avoid
Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.

10.5. Incompatible Materials

10.6. Hazardous Decomposition Products
Carbon oxides (CO, CO2). Silicon oxides.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
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</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Eye Damage/Irritation</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Respiratory or Skin Sensitization</td>
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<td>Germ Cell Mutagenicity</td>
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<td>Carcinogenicity</td>
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<td>Reproductive Toxicity</td>
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<td>Specific Target Organ Toxicity</td>
<td>May cause respiratory irritation. (Single Exposure)</td>
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<td>Specific Target Organ Toxicity (Repeated Exposure)</td>
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<td>Aspiration Hazard</td>
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11.2. Toxicity
No additional information available.

11.3. Persistence and Degradability

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Persistence and Degradability</td>
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11.4. Bioaccumulative Potential

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<tbody>
<tr>
<td>Bioaccumulative potential</td>
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</table>

11.5. Mobility in Soil
No additional information available.

11.6. Results of PBT and vPvB assessment
No additional information available.

11.7. Other Adverse Effects
Other Information: Avoid release to the environment.

SECTION 12: Ecological Information

12.1. Toxicity
No additional information available.

12.2. Persistence and Degradability

<table>
<thead>
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12.3. Bioaccumulative Potential

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</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

12.4. Mobility in Soil
No additional information available.

12.5. Results of PBT and vPvB assessment
No additional information available.

12.6. Other Adverse Effects
Other Information: Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

<table>
<thead>
<tr>
<th>Product/Packaging Disposal Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - Waste Materials</td>
</tr>
</tbody>
</table>
SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

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<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<td>14.3. Transport hazard class(es)</td>
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<td>14.4. Packing group</td>
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<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Not applicable</td>
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<tr>
<td>14.5. Environmental hazards</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
</tr>
<tr>
<td>No</td>
<td>Marine pollutant: No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

14.6. Special precautions for user
No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

SECTION 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture
15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National Regulations
No additional information available

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out

SECTION 16: Other Information

Indication of Changes

<table>
<thead>
<tr>
<th>Section</th>
<th>Section Header</th>
<th>Change</th>
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<td>3</td>
<td>Composition/information on ingredients</td>
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Date of Preparation or Latest Revision
Data Sources

20/12/2018

Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other Information


Full Text of H- and EUH-statements:

| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists
ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR – European Agreement Concerning the International Carriage of Dangerous Goods by Road
ATE – Acute Toxicity Estimate
BCF – Bioconcentration Factor
BB – Biological Exposure Indices (BB)
BOD – Biochemical Oxygen Demand
CAS No. – Chemical Abstracts Service Number
CUP – Classification, Labelling and Packaging Regulation (EC) No 1272/2008
COD – Chemical Oxygen Demand
EC – European Community
EC50 – Median Effective Concentration
ECC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances
EmS-No. (Fire) – IMDG Emergency Schedule Fire
EmS-No. (Spillage) – IMDG Emergency Schedule Spillage
EU – European Union
EC50/EC50 in Terms of Reduction Growth Rate
GHS – Globally Harmonized System of Classification and Labelling of Chemicals
IARC – International Agency for Research on Cancer
IATA – International Air Transport Association
Irr – International Maritime Dangerous Goods
IPRY – Ilgalaikio Poveikio Ribinis Dydis
IOM – Indicative Occupational Exposure Limit Value
LD50 – Median Lethal Dose
LL50 – Median Lethal Concentration
LOAEL – Lowest Observed Adverse Effect Level
LOEC – Lowest-Observed-Effect Concentration
Log Koc – Soil Organic Carbon-water Partitioning Coefficient
Log Kow – Octanol/water Partition Coefficient
Log Pow – Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water
Max – Maximum Workplace Concentration/Maximum Permissible Concentration

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