

MED-4082

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Revision date: 10/08/2020 Date of issue: 18/03/2014

Version: 3.0

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

1.1. Product Identifier

| | |
|--------------|--------------------|
| Product form | Mixture |
| Product Name | MED-4082 |
| Synonyms | Silicone Elastomer |

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 Europe
1198 Avenue Maurice Donat
Le Natura Bt. 2
06250 Mougins
France
+33 4 92 96 93 31
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)
+(44)-870-8200418
+(353)-19014670

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

Contains vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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

MED-4082

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

3.2. Mixture

| Name | Product Identifier | % | Classification According to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------------------|--|-----|---|
| Dodecamethylcyclohexasiloxane | (CAS-No.) 540-97-6 (EC-No.) 208-762-8 | < 1 | Not classified |

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 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 (CO ₂), 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. |
|-------------|---|

MED-4082

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Explosion Hazard

Product is not explosive.

Reactivity

Hazardous reactions will not occur under normal conditions.

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.

Protection During Firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

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 (vapour, 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

Ventilate area. 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.

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. 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

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

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.

MED-4082

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

7.3. Specific End Use(S)

For extrusion, transfer and compression molding and calendaring. 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

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

| | |
|---------------------------------------|-------------------|
| Physical State | Gum |
| Colour | Colourless |
| Odour | Odourless |
| Odour Threshold | No data available |
| pH | No data available |
| Evaporation Rate | No data available |
| Melting Point | No data available |
| Freezing Point | No data available |
| Boiling Point | No data available |
| Flash Point | > 135 °C (275 °F) |
| Auto-Ignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Flammability (Solid, Gas) | Not applicable |
| Vapour Pressure | No data available |
| Relative Vapour Density At 20 °C | No data available |
| Relative Density | > 1 (water=1) |
| Solubility | No data available |
| Partition Coefficient n-Octanol/Water | No data available |
| Viscosity, Kinematic | No data available |

MED-4082

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|----------------------|-------------------|
| Viscosity, Dynamic | No data available |
| Explosive Properties | No data available |
| Oxidising Properties | No data available |
| Explosive Limits | No data available |

9.2. Other Information

VOC content < 1 %

SECTION 10: Stability and Reactivity

10.1. Reactivity

Contact with water, alcohols, acids or bases, and many metals or metallic compounds can liberate flammable Hydrogen gas which can form explosive mixtures in air.

10.2. Chemical Stability

Stable at normal conditions.

10.3. Possibility Of Hazardous Reactions

Evolved hydrogen gas is flammable and may form explosive mixtures with air.

10.4. Conditions To Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials

Water, alcohols, acids, bases, strong oxidizing agents, catalytic metals, metallic compounds.

10.6. Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Flammable hydrogen gas. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

Acute Toxicity Not classified (Based on available data, the classification criteria are not met)

| | |
|--|---|
| Dodecamethylcyclhexasiloxane (540-97-6) | |
| LD50 Oral Rat | > 50 g/kg |
| Skin Corrosion/Irritation | Not classified (Based on available data, the classification criteria are not met) |
| Eye Damage/Irritation | Not classified (Based on available data, the classification criteria are not met) |
| Respiratory or Skin Sensitization | Not classified (Based on available data, the classification criteria are not met) |
| Germ Cell Mutagenicity | Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | Not classified (Based on available data, the classification criteria are not met) |
| Reproductive Toxicity | Not classified (Based on available data, the classification criteria are not met) |
| Specific Target Organ Toxicity (Single Exposure) | Not classified (Based on available data, the classification criteria are not met) |
| Specific Target Organ Toxicity (Repeated Exposure) | Not classified (Based on available data, the classification criteria are not met) |

MED-4082

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Aspiration Hazard

Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General

Not classified.

12.2. Persistence and Degradability

MED-4082

Persistence and Degradability

Not established.

12.3. Bioaccumulative Potential

MED-4082

Bioaccumulative potential

Not established.

12.4. Mobility in Soil

No additional information available

12.5. Results of PBT and vPvB assessment

Dodecamethylcyclohexasiloxane (540-97-6)

This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII

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.

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

14.1. UN Number

Not regulated for transport

14.2. UN Proper Shipping Name

Not regulated for transport

14.3. Transport Hazard Class(Es)

Not regulated for transport

14.4. Packing Group

Not regulated for transport

14.5. Environmental Hazards

Not regulated for transport

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

MED-4082

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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 a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit:

Dodecamethylcyclohexasiloxane (D6) (EC 208-762-8, CAS 540-97-6)

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

| Section | Section Header | Change | Date Changed |
|---------|--|----------|--------------|
| 1 | Identification of the Substance/mixture and of the Company/Undertaking | Modified | 10/08/2020 |
| 2 | Hazards identification | Modified | 10/08/2020 |
| 3 | Composition/information on ingredients | Modified | 10/08/2020 |
| 10 | Stability and reactivity | Modified | 10/08/2020 |
| 11 | Toxicological information | Modified | 10/08/2020 |
| 15 | Regulatory information | Modified | 10/08/2020 |

Date of Preparation or Latest Revision 10/08/2020

Revision

Data Sources

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

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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. |
| EUH210 | Safety data sheet available on request. |

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists
ADN – European Agreement Concerning the International Carriage of Dangerous

MARPOL - International Convention for the Prevention of Pollution
NDS - Najwyższe Dopuszczalne Stężenie

MED-4082

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|---|--|
| Goods by Inland Waterways | NDSCh - Najwyższe Dopuszczalne Steżenie Chwilowe |
| ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road | NDSP - Najwyższe Dopuszczalne Steżenie Pulapowe |
| ATE - Acute Toxicity Estimate | NOAEL - No-Observed Adverse Effect Level |
| BCF - Bioconcentration Factor | NOEC - No-Observed Effect Concentration |
| BEI - Biological Exposure Indices (BEI) | NRD - Nevirsytinas Ribinis Dydis |
| BOD - Biochemical Oxygen Demand | NTP - National Toxicology Program |
| CAS No. - Chemical Abstracts Service Number | OEL - Occupational Exposure Limits |
| CLP - Classification, Labeling and Packaging Regulation (EC) No 1272/2008 | PBT - Persistent, Bioaccumulative and Toxic |
| COD - Chemical Oxygen Demand | PEL - Permissible Exposure Limit |
| EC - European Community | pH - Potential Hydrogen |
| EC50 - Median Effective Concentration | REACH - Registration, Evaluation, Authorisation, and Restriction of Chemicals |
| EEC - European Economic Community | RID - Regulations Concerning the International Carriage of Dangerous Goods by Rail |
| EINECS - European Inventory of Existing Commercial Chemical Substances | SADT - Self Accelerating Decomposition Temperature |
| EmS-No. (Fire) - IMDG Emergency Schedule Fire | SDS - Safety Data Sheet |
| EmS-No. (Spillage) - IMDG Emergency Schedule Spillage | STEL - Short Term Exposure Limit |
| EU - European Union | TA-Luft - Technische Anleitung zur Reinhaltung der Luft |
| ErC50 - EC50 in Terms of Reduction Growth Rate | TEL TRK - Technical Guidance Concentrations |
| GHS - Globally Harmonized System of Classification and Labeling of Chemicals | ThOD - Theoretical Oxygen Demand |
| IARC - International Agency for Research on Cancer | TLM - Median Tolerance Limit |
| IATA - International Air Transport Association | TLV - Threshold Limit Value |
| IBC Code - International Bulk Chemical Code | TPRD - Trumpalaikio Poveikio Ribinis Dydis |
| IMDG - International Maritime Dangerous Goods | TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in ortsbeweglichen Behältern |
| IPRV - Ilgaliaikio Poveikio Ribinis Dydis | TRGS 552 - Technische Regeln für Gefahrstoffe - N-Nitrosamine |
| IOELV - Indicative Occupational Exposure Limit Value | TRGS 900 - Technische Regel für Gefahrstoffe 900 - Arbeitsplatzgrenzwerte |
| LC50 - Median Lethal Concentration | TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte |
| LD50 - Median Lethal Dose | TSCA - Toxic Substances Control Act |
| LOAEL - Lowest Observed Adverse Effect Level | TWA - Time Weighted Average |
| LOEC - Lowest-Observed-Effect Concentration | VOC - Volatile Organic Compounds |
| Log Koc - Soil Organic Carbon-water Partitioning Coefficient | VLA-EC - Valor Límite Ambiental Exposición de Corta Duración |
| Log Kow - Octanol/water Partition Coefficient | VLA-ED - Valor Límite Ambiental Exposición Diaria |
| 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 | VLE - Valeur Limite D'exposition |
| MAK - Maximum Workplace Concentration/Maximum Permissible Concentration | VME - Valeur Limite De Moyenne Exposition |
| | vPvB - Very Persistent and Very Bioaccumulative |
| | WEL - Workplace Exposure Limit |
| | WGK - Wassergefährdungsklasse |

Nusil EU GHS SDS

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.



Polymer Systems Technology Limited

Silicone Sales & Services UK - Ireland - Benelux

© 2022 - **Polymer Systems Technology Limited™**
Unit 2. Network 4. Cressex Business Park,
Lincoln Road, High Wycombe, Bucks. HP12 3RF

tel: +44 (0) 1494 446610

web: <https://www.silicone-polymers.com>

email: sales@silicone-polymers.co.uk

