MED-1040



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date: 20/01/2020 Date of issue: 13/12/2013

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-1040

Synonyms Silicone Adhesive

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]

Skin Corr. 1C H314 Eye Dam. 1 H318

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)

GHS05

Signal Word (CLP) Danger

Hazardous Ingredients Silanetriol, methyl-, triacetate; Silanetriol, ethyl-, triacetate;

Dibutyltin diacetate

Hazard Statements (CLP) H314 - Causes severe skin burns and eye damage. Precautionary Statements (CLP) P260 - Do not breathe vapours, mist, or spray.

P264 - Wash hands, forearms, and exposed areas thoroughly

after handling.

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P280 - Wear eye protection, protective clothing, protective gloves.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.

P310 - Immediately call a POISON CENTER or doctor. P321 - Specific treatment (see section 4 on this SDS).

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH014 - Reacts violently with water.

EUH208 - Contains Dibutyltin diacetate (1067-33-0). May

produce an allergic reaction.

EUH-statements

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

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Silanetriol, methyl-, triacetate	(CAS-No.) 4253-34-3 (EC-No.) 224-221-9	< 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318
Silanetriol, ethyl-, triacetate	(CAS-No.) 17689-77-9 (EC-No.) 241-677-4	< 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Dibutyltin diacetate	(CAS-No.) 1067-33-0 (EC-No.) 213-928-8	< 0.3	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Chronic 1, H410

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 Remove to fresh air and keep at rest in a position comfortable

for breathing. Immediately call a POISON CENTER or

doctor/physician.

First-Aid Measures After Skin

Contact

Inhalation

Remove contaminated clothing. Rinse cautiously with water for

at least 30 minutes. Immediately call a POISON CENTER or

doctor. Wash contaminated clothing before reuse.

First-Aid Measures After Eye

Contact

Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get

immediate medical advice/attention.

First-Aid Measures After Rinse mouth. Do NOT induce vomiting. Obtain emergency

Ingestion medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Effects Causes severe skin burns and eye damage.
Symptoms/Effects After May be corrosive to the respiratory tract.

Inhalation

Symptoms/Effects After Skin

Contact

Symptoms/Effects After Eye

Contact

Symptoms/Effects After

Ingestion

Clarataia Comandana

Causes severe irritation which will progress to chemical burns.

Causes permanent damage to the cornea, iris, or conjunctiva.

May cause burns or irritation of the linings of the mouth, throat,

and gastrointestinal tract.

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, dry chemical, foam, carbon dioxide.

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.

5.3. Advice for Firefighters

Precautionary Measures Fire Exercise caution when fighting any chemical fire.

Use water spray or fog for cooling exposed containers.

Protection During Firefighting

Do not enter fire area without proper protective equipment,

including respiratory protection.

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SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures Do not breathe vapor, mist or spray. Do not get in eyes, on skin,

or on clothing.

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 Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams. As an immediate

precautionary measure, isolate spill or leak area in all directions.

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. Cautiously

neutralize spilled liquid.

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

Additional Hazards When May release corrosive vapors.

Processed

Precautions for Safe Handling Wash hands and other exposed areas with mild soap and

water before eating, drinking or smoking and when leaving work. Do not get in eyes, on skin, or on clothing. Handle empty containers with care because they may still present a hazard. Do not breathe vapours, mist, and spray. Obtain special

instructions before use. Do not handle until all safety

precautions have been read and understood. Avoid contact

with skin, eyes and clothing.

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. Store in original

container or corrosive resistant and/or lined container.

Incompatible Materials Strong acids, strong bases, strong oxidizers.

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7.3. Specific End Use(S)

Bonds aggressively to most surfaces including glass, ceramics, natural and synthetic fibers, silicone rubbers etc. For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

No additional information available

8.2. Exposure Controls

Appropriate Engineering Emergency eye wash fountains and safety showers should be available in the immediate 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. Face shield.

Wear protective gloves.

Insufficient ventilation: wear respiratory protection.











Materials for Protective Clothing

Chemically resistant materials and fabrics. Corrosion-proof

clothing.

Hand Protection

Eye Protection

Skin and Body Protection

Respiratory Protection

Chemical safety goggles and face shield.

Wear suitable protective clothing.

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 Liquid
Colour Colourless
Odour Vinegar

Odour Threshold No data available рН 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)

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Solubility	No data available
Partition Coefficient n-Octanol/Water	No data available
Viscosity, Kinematic	No data available
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

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

Thermal decomposition generates: Silicon oxides. Carbon oxides (CO, CO₂). Irritating fumes.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

Acute Toxicity

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

	emona are not men	
Silanetriol, methyl-, triacetate (4253-34-3)		
LD50 Oral Rat	1437 - 1780 mg/kg	
LD50 Oral	1602 mg/kg	
Silanetriol, ethyl-, triacetate (1768	9-77-9)	
LD50 Oral Rat	1460 mg/kg	
LD50 Oral	1462 mg/kg	
Dibutyltin diacetate (1067-33-0)		
LD50 Oral	32 mg/kg	
Skin Corrosion/Irritation	Causes severe skin burns and eye damage.	
Eye Damage/Irritation	Causes serious eye damage.	
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)	

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Specific Target Organ Toxicity Not classified (Based on available data, the classification

(Single Exposure) criteria are not met)

Specific Target Organ Toxicity (Repeated Not classified (Based on available data, the

Exposure) classification criteria are not met)

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.

Dibutyltin diacetate (1067-33-0)	
EC50 Chronic	0,035 mg/l Exposure time: 72 hour (Species: Skeletonema costatum)
NOEC (Acute)	0,65 mg/l
NOEC Chronic Crustacea	0,32 mg/l (48-Hour EC50 Daphnia magna)

12.2. Persistence and Degradability

MED-1040	
Persistence and Degradability	Not established.
Dibutyltin diacetate (1067-33-0)	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

MED-1040		
Bioaccumulative potential	Not established.	
Silanetriol, methyl-, triacetate (425	53-34-3)	
Log Pow	0,25 KowWin	
Dibutyltin diacetate (1067-33-0)		
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 Dispose of contents/container in accordance with local,

Recommendations 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.

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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

ADR	IMDG	IATA	ADN	RID	
14.1. UN Numbe			[, , <u> </u>		
1760	1760	1760	1760	1760	
14.2. UN Proper	Shipping Name				
CORROSIVE LIQUID, N.O.S. (CONTAINS; Silanetriol, methyl-, triacetate; Silanetriol, ethyl-, triacetate)	CORROSIVE LIQUID, N.O.S. (CONTAINS; Silanetriol, methyl-, triacetate; Silanetriol, ethyl-, triacetate)	CORROSIVE LIQUID, N.O.S. (CONTAINS; Silanetriol, methyl-, triacetate; Silanetriol, ethyl-, triacetate)	CORROSIVE LIQUID, N.O.S. (CONTAINS; Silanetriol, methyl-, triacetate; Silanetriol, ethyl-, triacetate)	CORROSIVE LIQUID, N.O.S. (CONTAINS; Silanetriol, methyl-, triacetate; Silanetriol, ethyl-, triacetate)	
14.3. Transport H	lazard Class(Es)		,	,	
8	8	8	8	8	

14.4. Packing G	14.4. Packing Group				
III	Ш			III	
14.5. Environmental Hazards					
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	

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 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

Section	Section Header	Change	Date Changed
1	Identification of the Substance/mixture and of the	Modified	20/01/2020
	Company/Undertaking		
2	Hazards identification	Modified	20/01/2020
3	Composition/information on ingredients	Modified	20/01/2020
4	First aid measures	Modified	20/01/2020
8	Exposure controls/personal protection	Modified	20/01/2020
11	Toxicological information	Modified	20/01/2020
14	Transport information	Modified	20/01/2020

Date of Preparation or Latest

Data Sources

Revision

20/01/2020

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:

Acute toxicity (oral), Category 4
Hazardous to the aquatic environment — Chronic Hazard, Category 1
Serious eye damage/eye irritation, Category 1
Germ cell mutagenicity, Category 2
Reproductive toxicity, Category 1B
Skin corrosion/irritation, Category 1B
Skin corrosion/irritation, Category 1C
Skin sensitisation, category 1B
Specific target organ toxicity — Repeated exposure, Category 1
Specific target organ toxicity — Single exposure, Category 1
Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Causes serious eye damage.
Suspected of causing genetic defects.
May damage fertility or the unborn child.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.
Reacts violently with water.

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

EUH208	Contains Dibutyltin diacetate (1067-33-0). May produce an
	allergic reaction.

Abbreviations and Acronyms

CGIH – 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 - Bioconcentration Factor BEI - Biological Exposure Indices (BEI) BOD – Biochemical Oxygen Demand

CAS No. - Chemical Abstracts Service Number

CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008 COD – Chemical Oxygen Demand

- European Community

EC50 - Median Effective Concentration EEC - 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

FU - Furopean Union

ErC50 - EC50 in Terms of Reduction Growth Rate

GHS – Globally Harmonized System of Classification and Labeling of Chemicals

IARC - International Agency for Research on Cancer IATA - International Air Transport Association

IBC Code - International Bulk Chemical Code
IMDG - International Maritime Dangerous Goods

IPRV - Ilgalaikio Poveikio Ribinis Dydis

IOELV – Indicative Occupational Exposure Limit Value LC50 - Median Lethal Concentration

LD50 - Median Lethal Dose

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

MAK - Maximum Workplace Concentration/Maximum Permissible Concentration

MARPOL - International Convention for the Prevention of Pollution

NDS - Naiwyzsze Dopuszczalne Stezenie

NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe

NDSP - Najwyzsze Dopuszczalne Stezenie Pulapo NOAEL - No-Observed Adverse Effect Level

NOEC - No-Observed Effect Concentration

NRD - Nevirsytings Ribinis Dydis

NTP - National Toxicology Program OEL - Occupational Exposure Limits

PBT - Persistent, Bioaccumulative and Toxic

PEL - Permissible Exposure Limit

pH – Potential Hydrogen

REACH - Registration, Evaluation, Authorisation, and Restriction of Chemicals

- Regulations Concerning the International Carriage of Dangerous Goods by Rail

SADT - Self Accelerating Decomposition Temperature

SDS - Safety Data Sheet

STEL - Short Term Exposure Limit

STOT - Specific Target Organ Toxicity

TA-Luft - Technische Anleitung zur Reinhaltung der Luft

TEL TRK - Technical Guidance Concentrations

ThOD - Theoretical Oxygen Demand

TLM - Median Tolerance Limit

TIV - Threshold Limit Value

TPRD - Trumpalaikio Poveikio Ribinis Dydis

TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in

ortsbeweglichen Behältern

TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine

TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average VOC – Volatile Organic Compounds

VLA-EC - Valor Límite Ambiental Exposición de Corta Duración

VLA-ED - Valor Límite Ambiental Exposición Diaria

VLE – Valeur Limite D'exposition

VME - Valeur Limite De Movenne Exposition

vPvB - Very Persistent and Very Bioaccumulative

WEL – Workplace Exposure Limit WGK - Wasseraefährdungsklasse

Nusil EU GHS SDS

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