20/01/2020

## GHS05 Danger DibutyItin diacetate Precautionary Statements (CLP) after handling. EN (English)

### Signal Word (CLP) Hazardous Ingredients

Hazard Statements (CLP)

Silanetriol, methyl-, triacetate; Silanetriol, ethyl-, triacetate; H314 - Causes severe skin burns and eye damage. P260 - Do not breathe vapours, mist, or spray. P264 - Wash hands, forearms, and exposed areas thoroughly



#### **Product Identifier** 1.1.

**MED-1040** 

Safety Data Sheet

Product form **Product Name Svnonvms** 

Mixture MED-1040 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

#### Details of the Supplier of the Safety Data Sheet 1.3.

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

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**

#### Classification of the Substance or Mixture 2.1.

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)

Avanto

Version: 3.0



ballory Dala shee	/ I	
According to Regulation (EC) No.	1907/2006 (REACH) with its amendment Regulation (EU) 2015	5/830

	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.
EUH-statements	EUH014 - Reacts violently with water. EUH208 - Contains Dibutyltin diacetate(1067-33-0). May produce an allergic reaction.
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
DibutyItin 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

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

### **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
Inhalation	for breathing. Immediately call a POISON CENTER or
	doctor/physician.
First-Aid Measures After Skin	Remove contaminated clothing. Rinse cautiously with water for
Contact	at least 30 minutes. Immediately call a POISON CENTER or
	doctor. Wash contaminated clothing before reuse.
First-Aid Measures After Eye	Rinse cautiously with water for at least 30 minutes. Remove
Contact	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	Causes severe irritation which will progress to chemical burns.
Contact	
Symptoms/Effects After Eye	Causes permanent damage to the cornea, iris, or conjunctiva.
Contact	
Symptoms/Effects After	May cause burns or irritation of the linings of the mouth, throat,
Ingestion	and gastrointestinal tract.
Chronic Symptoms	None expected under normal conditions of use.
4.3. Indication of Any Immedia	ate 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 MediaWater spray, dry chemical, foam, carbon dioxide.Unsuitable Extinguishing MediaDo not use a heavy water stream. Use of heavy stream of water<br/>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.
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.

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

### **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 Personn	lel
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

Equip cleanup crew with proper protection. 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 Processed	May release corrosive vapors.
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	e, 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.

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

### 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 Controls

Personal Protective Equipment

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. Gloves. Protective clothing. Protective goggles. Face shield. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing

Hand Protection Eye Protection Skin and Body Protection Respiratory Protection Chemically resistant materials and fabrics. Corrosion-proof clothing. Wear protective gloves. 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. When using, do not eat, drink or smoke.

Other Information

### **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 ℃ (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)

Safety Data Sheet

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

Solubility	No data available
Partition Coefficient n-Octano	ol/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, CO<sub>2</sub>). Irritating fumes.

### **SECTION 11: Toxicological Information**

#### 11.1. Information On Toxicological Effects

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

Silanetriol, methyl-, triacetate (4253-34-3)		
LD50 Oral Rat	1437 - 1780 mg/kg	
LD50 Oral	1602 mg/kg	
Silanetriol, ethyl-, triacetate (17689-77-9)		
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)	

20/01/2020

Safety Data Sheet

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

Specific Target Organ Toxicity (Single Exposure)	Not classified (Based on available data, the classification criteria are not met)
Specific Target Organ Toxicity (Rep Exposure)	Deated Not classified (Based on available data, the 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.	
DibutyItin diacetate (1067-33-0)		
Persistence and Degradability	Not established.	
12.3. Bioaccumulative Potential		
MED-1040		
Bioaccumulative potential	Not established.	
Silanetriol, methyl-, triacetate (4253-34-3)		
Log Pow	0,25 KowWin	
DibutyItin 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.

### **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.

n accordance with	ADR / RID / IMDG	/ IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN Number				
1760	1760	1760	1760	1760
14.2. UN Proper	14.2. UN Proper Shipping Name			
CORROSIVE	CORROSIVE	CORROSIVE	CORROSIVE	CORROSIVE
liquid, n.o.s.	liquid, n.o.s.	liquid, n.o.s.	liquid, n.o.s.	liquid, n.o.s.
(CONTAINS ;	(CONTAINS ;	(CONTAINS ;	(CONTAINS ;	(CONTAINS ;
Silanetriol,	Silanetriol,	Silanetriol,	Silanetriol,	Silanetriol,
methyl-,	methyl-,	methyl-,	methyl-,	methyl-,
triacetate ;	triacetate ;	triacetate ;	triacetate ;	triacetate ;
Silanetriol, ethyl-,	Silanetriol, ethyl-,	Silanetriol, ethyl-,	Silanetriol, ethyl-,	Silanetriol, ethyl-,
triacetate)	triacetate)	triacetate)	triacetate)	triacetate)
14.3. Transport Hazard Class(Es)				
8	8	8	8	8
8	B B	8	8	8
14.4. Packing G	roup			
III		III	III	III
14.5. Environmental Hazards				
Dangerous for	Dangerous for	Dangerous for	Dangerous for	Dangerous for
the environment	the environment	the environment	the environment	the environment
:No	: No	: No	:No	:No
	Marine pollutant : 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

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

## **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 20/01/2020 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:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 1	Specific target organ toxicity — Single exposure, Category 1
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated
	exposure.
H410	Very toxic to aquatic life with long lasting effects.
EUH014	Reacts violently with water.

Safety Data Sheet

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**

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") EXPRESSLYDISCLAIMS 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.