

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Revision date: 29/09/2020 Date of issue: 20/08/2014

Version: 3.0

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

### 1.1. Product Identifier

Product form	Mixture
Product Name	CXG-1104
Synonyms	Silicone Gel
INCI Name	Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer

### 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 Personal care product

#### 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](mailto:ehs@nusil.com)  
[www.nusil.com](http://www.nusil.com)

### 1.4. Emergency Telephone Number

Emergency Number : +1 703-527-3887 CHEMTREC (International and Maritime), 800-424-9300  
CHEMTREC (in US)  
+(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 PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII  
Other Hazards Not Contributing to the Classification None under normal conditions.

# CXG-1104

## Safety Data Sheet

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

### SECTION 3: Composition/Information on Ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Siloxanes and Silicones, di-Me	(CAS No) 63148-62-9	> 80	Not classified
Siloxanes and Silicones, dimethyl, methyl hydrogen, reaction products with vinyl group-terminated dimethyl siloxanes	(CAS-No.) 156065-02-0	< 20	Not classified
Decamethylcyclopentasiloxane	(CAS-No.) 541-02-6 (EC-No.) 208-764-9	< 1	Not classified
Dodecamethylcyclohexasiloxane	(CAS-No.) 540-97-6 (EC-No.) 208-762-8	< 1	Not classified

### 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.

First-Aid Measures After Skin Contact

Rinse immediately with plenty of 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

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

Symptoms/Effects After Inhalation

May cause respiratory irritation.

Symptoms/Effects After Skin Contact

May cause skin irritation.

Symptoms/Effects After Eye Contact

May cause eye irritation.

Symptoms/Effects After Ingestion

Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms

None expected under normal conditions of use.

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

If you feel unwell, seek medical advice (show the label where possible).

# CXG-1104

## Safety Data Sheet

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

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### 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 may burn at high temperatures.

Explosion Hazard

Product is not explosive.

Reactivity

Hazardous reactions will not occur under normal conditions.

Hazardous Decomposition

Oxides of silicone and carbon.

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.

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

Use special care to avoid static electric charges. Keep away from heat, sparks, open flames, hot surfaces. – No smoking. Avoid all contact with skin, eyes, or clothing. Do NOT breathe (dust, vapor, mist, gas).

##### 6.1.1. For Non-Emergency Personnel

Emergency Procedures

Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Responders

Protective Equipment

Equip cleanup crew with proper protection.

Emergency Procedures

Ventilate area.

#### 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. Store away from other materials.

#### 6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

# CXG-1104

## Safety Data Sheet

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

### SECTION 7: Handling And Storage

#### 7.1. Precautions for Safe Handling

Additional Hazards When Processed

Handle empty containers with care because residual vapours are flammable. Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Precautions for Safe Handling

Take precautionary measures against static discharge. Use only non-sparking tools. Keep away from heat, sparks, open flames, hot surfaces. – No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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. Do not eat, drink or smoke when using this product.

#### 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.

Incompatible Materials

Strong acids. Strong bases.

#### 7.3. Specific End Use(S)

Personal care product

### 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 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. Wear fire/flammable resistant/retardant clothing.

Hand Protection

Wear chemically resistant protective gloves.

Eye Protection

Chemical goggles or safety glasses.

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.

# CXG-1104

## Safety Data Sheet

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

Environmental Exposure Controls	Do not allow the product to be released into the environment.
Consumer Exposure Controls	Do not eat, drink or smoke during use.

## SECTION 9: Physical and Chemical Hazards

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	Gel
Colour	Colorless to light yellow
Odour	Characteristic
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	132 °C (272 °F)
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (Solid, Gas)	No data available
Vapour Pressure	No data available
Relative Vapour Density At 20 °C	No data available
Relative Density	No data available
Density	0,92
Solubility	Insoluble in water Insoluble in alcohol Insoluble in oils/fats
Partition Coefficient n-Octanol/Water	No data available
Viscosity	500,000 – 770,000 cP
Explosive Properties	No data available
Oxidising Properties	No data available
Explosive Limits	Not applicable

### 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 normal conditions of use.

### 10.3. Possibility Of Hazardous Reactions

Hazardous polymerization will not occur.

### 10.4. Conditions To Avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Heat. Sparks. Incompatible materials.

### 10.5. Incompatible Materials

Strong acids. Strong bases.

# CXG-1104

## Safety Data Sheet

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

### 10.6. Hazardous Decomposition Products

Carbon oxides (CO, CO<sub>2</sub>). May release flammable gases. Silicon oxides. Formaldehyde. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

## SECTION 11: Toxicological Information

### 11.1. Information On Toxicological Effects

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

Decamethylcyclopentasiloxane (541-02-6)	
LD50 Oral Rat	> 5000 mg/kg (Species: Sprague-Dawley)
LD50 Dermal Rabbit	> 2000 mg/kg (Species: New Zealand White) No deaths reported
LC50 Inhalation Rat	8,67 mg/l/4h (Species: Fischer)
ATE CLP (dust,mist)	8,67 mg/l/4h
Dodecamethylcyclohexasiloxane (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
Aspiration Hazard	Not classified Based on available data, the classification criteria are not met
Potential Adverse Human Health Effects And Symptoms	Based on available data, the classification criteria are not met.

## SECTION 12: Ecological Information

### 12.1. Toxicity

Ecology - General Not expected to be harmful to aquatic organisms.

### 12.2. Persistence and Degradability

CXG-1104	
Persistence and Degradability	Not established.

# CXG-1104

## Safety Data Sheet

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

### 12.3. Bioaccumulative Potential

CXG-1104

Bioaccumulative potential	Not established.
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### 12.4. Mobility in Soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Decamethylcyclopentasiloxane (541-02-6)

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

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 waste material in accordance with all 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

## SECTION 15: Regulatory Information

### 15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

# CXG-1104

## Safety Data Sheet

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

70. Octamethylcyclotetrasiloxane (D4) ;  
Decamethylcyclopentasiloxane (D5)

Decamethylcyclopentasiloxane

Contains a substance on the REACH candidate list in concentration  $\geq 0.1\%$  or with a lower specific limit: Decamethylcyclopentasiloxane (D5) (EC 208-764-9, CAS 541-02-6),  
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	29/09/2020
2	Hazards identification	Modified	29/09/2020
3	Composition/information on ingredients	Modified	29/09/2020
11	Toxicological Information	Modified	29/09/2020
12	Ecological Information	Modified	29/09/2020
15	Regulatory Information	Modified	29/09/2020

Date of Preparation or Latest Revision 29/09/2020

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

### 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  
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  
EC – 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  
EU – European 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

NDS - Najwyższe Dopuszczalne Steżenie  
NDSCh - Najwyższe Dopuszczalne Steżenie Chwilowe  
NDSP - Najwyższe Dopuszczalne Steżenie Pulapowe  
NOAEL - No-Observed Adverse Effect Level  
NOEC - No-Observed Effect Concentration  
NRD - Nevirsytinas 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  
RID – 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  
TLV - 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



# CXG-1104

## Safety Data Sheet

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

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
MARPOL - International Convention for the Prevention of Pollution	vPvB - Very Persistent and Very Bioaccumulative
	WEL – Workplace Exposure Limit
	WGK - Wassergefährdungsklasse

Nusil EU GHS SDS

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