

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Revision date:

09/09/2019
Date of issue:
10/07/2014

Version: 4.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form Mixture

Product Name MED-6015 Part A 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 : +(44)-870-8200418 number +(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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other Hazards

Other hazards not contributing Exposure may aggravate pre-existing eye, skin, or respiratory

to the classification conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

09/09/2019 EN (English) 1/7

Safety Data Sheet

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

3.2. Mixture

Within the meaning of Regulation (EC) No 1272/2008: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

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 15 minutes. 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

Rinse mouth. Do NOT induce vomiting. Obtain medical

attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries Not expected to present a significant hazard under

anticipated conditions of normal use.

Symptoms/injuries after

inhalation

Prolonged exposure may cause irritation.

Symptoms/injuries after skin

contact

Prolonged exposure may cause skin irritation.

Symptoms/injuries after eye

contact

May cause slight irritation to eyes.

Symptoms/injuries 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, 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.

09/09/2019 EN (English) 2/7

Safety Data Sheet

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

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 protection 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 material 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 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. 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 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 products Strong acids, strong bases, strong oxidizers.

7.3. Specific end use(s)

For molding of clear silicone parts, potting and coating applications. For professional use only.

09/09/2019 EN (English) 3/7

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 Gloves. Protective clothing. Protective goggles.

equipment





Chemically resistant materials and fabrics.

Materials for protective

clothing

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 properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Clear.
Odour : Odourless.

Odour threshold : No data available pH : No data available Relative evaporation rate : No data available

(butylacetate=1)

Melting point : No data available : No data available Freezing point Boiling point : No data available Flash point : > 135 °C (> 275 °F) : No data available Auto-ignition temperature 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 : 0.97 (water = 1): No data available Solubility Partition coefficient: n-octanol/water : No data available Viscosity, kinematic : No data available

09/09/2019 EN (English) 4/7

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

No additional information available

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

Carbon oxides (CO, CO₂). Silicon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Not classified

Not classified

Not classified

Not classified

Specific target organ toxicity (single : Not classified

exposure)

Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard Not classified

Potential adverse human Based on available data, the classification criteria are not

health effects and symptoms met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general Not classified.

12.2. Persistence and degradability

| MED-6015 Part A | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

09/09/2019 EN (English) 5/7

Safety Data Sheet

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

12.3. Bioaccumulative potential

| MED-6015 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

Waste disposal Dispose of contents/container in accordance with local,

recommendations regional, national, and international regulations.

Ecology - waste materials Avoid release to the environment.

SECTION 14: Transport information

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

14.1.UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

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

09/09/2019 EN (English) 6/7

Safety Data Sheet

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

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 | Modified | 09/09/2019 |
| | the company/undertaking | | |

Revision date 09/09/2019

Data sources According to Regulation (EC) No. 1907/2006 (REACH) with its

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Nusil EU GHS SDS

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09/09/2019 EN (English) 7/7



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date:

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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-6015 Part B 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 : +(44)-870-8200418 number +(353)-19014670

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

GHS07

Signal word (CLP) Warning

Hazardous ingredients Siloxanes and Silicones, dimethyl, methyl hydrogen

Hazard statements (CLP) H315 - Causes skin irritation

H319 - Causes serious eye irritation H335 - May cause respiratory irritation

09/09/2019 EN (English) 1/9

Safety Data Sheet

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

Precautionary statements (CLP)

P261 - Avoid breathing mist, spray, vapours

P264 - Wash hands, forearms and face thoroughly after

handling

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear eye protection, face 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

to the classification

Contains vPvB substances >= 0.1% assessed in accordance with REACH Annex XIII

Other hazards not contributing

Exposure may aggravate pre-existing eye, skin, or respiratory

conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|------|---|
| Siloxanes and Silicones, dimethyl, methyl hydrogen | (CAS No) 68037-59-2 | > 90 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |
| Octamethylcyclotetrasiloxane | (CAS-No.) 556-67-2 (EC-No.) 209-136-7 (EC Index-No.) 014-018-00-1 | < 1 | Repr. 2, H361f Aquatic Chronic 4, H413 |

Full text of H-statements: see section 16

09/09/2019 EN (English) 2/9

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 15 minutes. 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

Rinse mouth. Do NOT induce vomiting. Obtain medical

attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries Causes serious eye irritation. Causes skin irritation. May cause

respiratory irritation.

Symptoms/injuries after

inhalation

Irritation of the respiratory tract and the other mucous

membranes.

Symptoms/injuries after skin

contact

Redness, pain, swelling, itching, burning, dryness, and

dermatitis.

Symptoms/injuries after eye

contact

Contact causes severe irritation with redness and swelling of

the conjunctiva.

Symptoms/injuries 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, 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.

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.

09/09/2019 EN (English) 3/9

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Avoid breathing (vapour, mist, spray). Avoid all contact with

skin, eyes, or clothing.

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. 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 material 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 Avoid breathing vapours, mist, spray. Avoid contact with eyes,

skin and clothing.

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 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 products Strong acids, strong bases, strong oxidizers.

7.3. Specific end use(s)

For molding of clear silicone parts, potting and coating applications. For professional use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

09/09/2019 EN (English) 4/9

8.2. Exposure controls

Appropriate engineering Emergency eye wash fountains and safety showers should be controls 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 Gloves. Protective clothing. Protective goggles.

equipment





Chemically resistant materials and fabrics.

Materials for protective

clothing

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 properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Clear. Odour : Slight.

Odour threshold : No data available : No data available На Relative evaporation rate : No data available

(butylacetate=1)

Explosive limits

Melting point : No data available Freezing point : No data available Boiling point : No data available Flash point : > 110 °C (> 230 °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 : 0.97 (water = 1): No data available Solubility 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

09/09/2019 EN (English)

: No data available

Safety Data Sheet

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

9.2. Other information

No additional information available

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 Reaction

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, catalystic 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

| Octamethylcyclotetrasiloxane (556-67-2) | |
|---|------------------------------|
| LD50 oral rat 1540 mg/kg | |
| LD50 dermal rabbit | 794 µl/kg |
| LC50 inhalation rat (mg/l) | 36 g/m³ (Exposure time: 4 h) |

Acute toxicity Not classified

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Not classified

Not classified

Not classified

Specific target organ toxicity (single : May cause respiratory irritation.

exposure)

Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard Not classified

Potential adverse human Based on available data, the classification criteria are not

health effects and symptoms me

SECTION 12: Ecological information

12.1. Toxicity

| Octamethylcyclotetrasiloxa | ne (556-67-2) |
|----------------------------|---|
| LC50 fish 1 | > 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio) |

09/09/2019 EN (English) 6/9

Safety Data Sheet

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

| Octamethylcyclotetrasiloxa | ne (556-67-2) |
|----------------------------|--|
| LC50 fish 2 | > 1000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |

Ecology - general Not classified.

12.2. Persistence and degradability

| MED-6015 Part B | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| MED-6015 Part B | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Octamethylcyclotetrasiloxane (556-67-2)

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

Waste 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

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

14.1.UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

09/09/2019 EN (English) 7/9

Safety Data Sheet

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

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

Octamethylcyclotetrasiloxane (D4) (EC 209-136-7, CAS 556-67-2)

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 | Modified | 16/09/2016 |
| | the Company/Undertaking | | |
| 2 | Hazards identification | Modified | 09/09/2019 |
| 3 | Composition/information on ingredients | Modified | 09/09/2019 |
| 10 | Stability and reactivity | | |
| 15 | Regulatory information | Modified | 09/09/2019 |

Revision date 09/09/2019

Data sources 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 |

Nusil EU GHS SDS

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09/09/2019 EN (English) 8/9

Safety Data Sheet

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

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09/09/2019 EN (English) 9/9