

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Revision Date: 12/05/2022 Date of Issue: 25/10/2013

Version: 5.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Form Mixture
Product Name MED-2000-1
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

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
productstewardship@avantorsciencesgcc.com
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

Skin Corr. 1B H314
Eye Dam. 1 H318
Aquatic Chronic 3 H412
Full text of hazard classes, H-statements: see section 1.6

2.2. Label Elements

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

Hazard Pictograms (CLP)



GHS05

Signal Word (CLP) Danger
Hazard Statements (CLP) H314 - Causes severe skin burns and eye damage.
H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statements (CLP) P260 - Do not breathe mist, spray, vapours.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
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 label).
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national and/or international regulation.
EUH014 - Reacts violently with water.

EUH-statements

2.3. Other Hazards

Other Hazards Not Contributing to the Classification

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

| Component | |
|--|---|
| Octamethylcyclotetrasiloxane (556-67-2) | This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII |
| Decamethylcyclopentasiloxane (541-02-6) | This substance meets the vPvB criteria of REACH regulation, annex XIII |
| Dodecamethylcyclohexasiloxane (540-97-6) | This substance meets the vPvB criteria of REACH regulation, annex XIII |

The substance/mixture does not contain substance(s) equal to or greater than 0.1% by weight that are present in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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 |
|--|---|--------|--|
| Silanetriol, ethyl-, triacetate | (CAS-No.) 17689-77-9 (EC-No.) 241-677-4 | 5 – 10 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 |
| Titanium dioxide | (CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (EC Index-No.) 022-006-00-2 | 1 – 5 | Not classified |
| Octamethylcyclotetrasiloxane substance listed as REACH Candidate (Octamethylcyclotetrasiloxane (D4)) | (CAS-No.) 556-67-2 (EC-No.) 209-136-7 (EC Index-No.) 014-018-00-1 | < 0,25 | Flam. Liq. 3, H226 Repr. 2, H361f Aquatic Chronic 1, H410 (M=10) |
| Decamethylcyclopentasiloxane substance listed as REACH Candidate (Decamethylcyclopentasiloxane (D5)) | (CAS-No.) 541-02-6 (EC-No.) 208-764-9 | < 0,25 | Not classified |
| Dodecamethylcyclohexasiloxane substance listed as REACH Candidate (Dodecamethylcyclohexasiloxane (D6)) | (CAS-No.) 540-97-6 (EC-No.) 208-762-8 | < 0,25 | Not classified |

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| | | | |
|--|--|--------|--|
| Stannane, dioctylbis[(1-oxododecyl)oxy]- substance listed as REACH Candidate (Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety) | (CAS-No.) 3648-18-8 (EC-No.) 222-883-3 (EC Index-No.) 050-031-00-9 | < 0.25 | Repr. 1B, H360D STOT SE 2, H371 STOT RE 1, H372 |
| Silanetriol, methyl-, triacetate | (CAS-No.) 4253-34-3 (EC-No.) 224-221-9 | < 0.25 | Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 |

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

| | |
|---------------------------------------|---|
| First-Aid Measures General | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-Aid Measures After Inhalation | 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 | Immediately remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Get immediate medical advice/attention. |
| First-Aid Measures After Eye Contact | Immediately rinse 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 Ingestion | Rinse mouth. Do NOT induce vomiting. Obtain emergency 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 Inhalation | May be corrosive to the respiratory tract. |
| Symptoms/Effects After Skin Contact | Causes severe irritation which will progress to chemical burns. |
| Symptoms/Effects After Eye Contact | Causes permanent damage to the cornea, iris, or conjunctiva. |
| Symptoms/Effects After Ingestion | May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. |
| Chronic Symptoms | None known. |

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 | 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. |

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| | |
|-------------------------------|--|
| Reactivity | May hydrolyze with water to form acetic acid. |
| Hazardous Combustion Products | Carbon oxides (CO, CO ₂). Formaldehyde. Oxides of tin. Silicon oxides. |

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 | Do not allow run-off from fire fighting to enter drains or water courses. |

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 recognise 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. Avoid release to the environment.

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. Cautiously neutralize spilled liquid. 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

| | |
|-----------------------------------|--|
| Additional Hazards When Processed | May release corrosive vapors. Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapours. |
| Precautions for Safe Handling | Do not breathe vapours, mist, spray. Do not get in eyes, on skin, or on clothing. Handle empty containers with care because they may still present a hazard. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

Store in accordance with applicable national storage class systems. 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. Store locked up/in a secure area.

Incompatible Materials

Strong acids, strong bases, strong oxidisers. Water.

7.3. Specific End Use(s)

For professional use only

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Please see section 16 for the legal basis of limit value information in section 8.1, including the national legislation or provision which gives rise to a given limit.

| | | |
|-------------------------------|--|--|
| Titanium dioxide (13463-67-7) | | |
| Austria | OEL TWA (Legal Basis:BGBl. II Nr. 254/2018) | 5 mg/m³ (alveolar dust, respirable fraction) |
| Austria | OEL STEL (Legal Basis:BGBl. II Nr. 254/2018) | 10 mg/m³ (alveolar dust, respirable fraction) |
| Belgium | OEL TWA (Legal Basis:Royal Decree 21/01/2020) | 10 mg/m³ |
| Bulgaria | OEL TWA (Legal Basis:Reg. No. 13/10) | 10 mg/m³ (respirable dust) |
| Croatia | OEL TWA (Legal Basis:OG No. 91/2018) | 10 mg/m³ (total dust, inhalable particles) 4 mg/m³ (respirable dust) |
| Denmark | OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020) | 6 mg/m³ |
| Estonia | OEL TWA (Legal Basis:Regulation No. 105) | 5 mg/m³ |
| France | OEL TWA (Legal Basis:INRS ED 984) | 10 mg/m³ |
| Germany | OEL TWA (Legal Basis:TRGS 900) | 1,25 mg/m³ (respirable fraction (dust)) 10 mg/m³ (inhalable fraction (dust)) |
| Greece | OEL TWA (Legal Basis:PWHSE) | 10 mg/m³ (inhalable fraction) 5 mg/m³ (respirable fraction) |
| Ireland | OEL TWA (Legal Basis:2020 COP) | 10 mg/m³ (total inhalable dust) 4 mg/m³ (respirable dust) |
| Ireland | OEL STEL (Legal Basis:2020 COP) | 30 mg/m³ (calculated-respirable dust) 12 mg/m³ (calculated) |
| USA ACGIH | OEL TWA (Legal Basis:IMDFN1) | 10 mg/m³ |
| Latvia | OEL TWA (Legal Basis:Reg. No. 325) | 10 mg/m³ |
| Lithuania | OEL TWA (Legal Basis:HN 23:2011) | 5 mg/m³ |
| Norway | OEL TWA (Legal Basis:FOR-2020-04-06-695) | 5 mg/m³ |
| Norway | OEL STEL (Legal Basis:FOR-2020-04-06-695) | 10 mg/m³ (value calculated) |
| Poland | OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61) | 10 mg/m³ (the concentration of the respirable Crystalline silica fraction is determined simultaneously-inhalable fraction) |
| Portugal | OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014) | 10 mg/m³ |
| Portugal | OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014) | A4 - Not Classifiable as a Human Carcinogen |
| Romania | OEL TWA (Legal Basis:Gov. Dec. No 1.218) | 10 mg/m³ |
| Romania | OEL STEL (Legal Basis:Gov. Dec. No 1.218) | 15 mg/m³ |
| Slovakia | OEL TWA (Legal Basis:Gov. Decree 33/2018) | 5 mg/m³ |
| Spain | OEL TWA (Legal Basis:OELCAIS) | 10 mg/m³ |
| Sweden | OEL TLV (Legal Basis:AFS 2018:1) | 5 mg/m³ (total dust) |
| Switzerland | OEL TWA (Legal Basis:OLVSNAIF) | 3 mg/m³ (respirable dust) |
| Tin organic compounds | | |
| Austria | OEL TWA (Legal Basis:BGBl. II Nr. 254/2018) | 0,1 mg/m³ (except tri-n-Butyltin compounds-inhalable fraction) |

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| | | |
|----------------|--|---|
| Austria | OEL STEL (Legal Basis:BGBl. II Nr. 254/2018) | 0,2 mg/m³ (except Tri-n-butyltin compounds-inhalable fraction) |
| Austria | OEL Chemical Category (Legal Basis:BGBl. II Nr. 254/2018) | Skin notation except Tri-n-butyltin compounds |
| Belgium | OEL TWA (Legal Basis:Royal Decree 21/01/2020) | 0,1 mg/m³ |
| Belgium | OEL STEL (Legal Basis:Royal Decree 21/01/2020) | 0,2 mg/m³ |
| Belgium | OEL Chemical Category (Legal Basis:Royal Decree 21/01/2020) | Skin |
| Bulgaria | OEL TWA (Legal Basis:Reg. No. 13/10) | 0,1 mg/m³ |
| Croatia | OEL TWA (Legal Basis:OG No. 91/2018) | 0,1 mg/m³ (except Cyhexatin) |
| Croatia | OEL STEL (Legal Basis:OG No. 91/2018) | 0,2 mg/m³ (except Cyhexatin) |
| Czech Republic | OEL TWA (Legal Basis:Reg. 41/2020) | 0,1 mg/m³ |
| Czech Republic | OEL Chemical Category (Legal Basis:Decree No. 107/2013) | Potential for cutaneous absorption |
| Denmark | OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020) | 0,1 mg/m³ (except Tri-n-butyltin compounds) |
| Denmark | OEL Chemical Category (Legal Basis:BEK No. 698 of 28/05/2020) | Potential for cutaneous absorption |
| Estonia | OEL TWA (Legal Basis:Regulation No. 105) | 0,1 mg/m³ |
| Estonia | OEL STEL (Legal Basis:Regulation No. 105) | 0,2 mg/m³ |
| Estonia | OEL Chemical Category (Legal Basis:Regulation No. 105) | Skin notation |
| Finland | OEL TWA (Legal Basis:HTP-ARVOT 2020) | 0,1 mg/m³ |
| Finland | OEL STEL (Legal Basis:HTP-ARVOT 2020) | 0,3 mg/m³ |
| Finland | OEL Chemical Category HTP-ARVOT 2020) | Potential for cutaneous absorption |
| France | OEL STEL (Legal Basis:INRS ED 984) | 0,2 mg/m³ |
| France | OEL TWA (Legal Basis:INRS ED 984) | 0,1 mg/m³ |
| Greece | OEL TWA (Legal Basis:PWHE) | 0,1 mg/m³ |
| Greece | OEL STEL (Legal Basis:PWHE) | 0,2 mg/m³ |
| Greece | OEL Chemical Category (Legal Basis:PWHE) | skin - potential for cutaneous absorption |
| Hungary | OEL TWA (Legal Basis:Decree No. 05/2020) | 0,05 mg/m³ 0,002 mg/m³ |
| Hungary | OEL STEL (Legal Basis:Decree No. 05/2020) | 0,4 mg/m³ |
| Hungary | OEL Chemical Category (Legal Basis:Decree No. 05/2020) | Potential for cutaneous absorption |
| Ireland | OEL TWA (Legal Basis:2020 COP) | 0,1 mg/m³ |
| Ireland | OEL STEL (Legal Basis:2020 COP) | 0,2 mg/m³ |
| USA ACGIH | OEL TWA (Legal Basis:IMDFN1) | 0,1 mg/m³ |
| USA ACGIH | OEL STEL (Legal Basis:IMDFN1) | 0,2 mg/m³ |
| Lithuania | OEL TWA (Legal Basis:HN 23:2011) | 0,1 mg/m³ |
| Lithuania | OEL STEL (Legal Basis:HN 23:2011) | 0,2 mg/m³ |
| Lithuania | OEL Chemical Category (Legal Basis:HN 23:2011) | Skin notation |
| Norway | OEL TWA (Legal Basis:FOR-2020-04-06-695) | 0,1 mg/m³ |
| Norway | OEL STEL (Legal Basis:FOR-2020-04-06-695) | 0,3 mg/m³ (value calculated) |
| Norway | OEL Chemical Category (Legal Basis:FOR-2020-04-06-695) | Skin notation |
| Portugal | OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014) | 0,1 mg/m³ |
| Portugal | OEL STEL (Legal Basis:Portuguese Norm NP 1796:2014) | 0,2 mg/m³ |
| Portugal | OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014) | A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure |
| Romania | OEL TWA (Legal Basis:Gov. Dec. No 1.218) | 0,05 mg/m³ |
| Romania | OEL STEL (Legal Basis:Gov. Dec. No 1.218) | 0,15 mg/m³ |
| Slovakia | OEL TWA (Legal Basis:Gov. Decree 33/2018) | 0,1 mg/m³ |
| Slovakia | OEL STEL (Legal Basis:Gov. Decree 33/2018) | 0,2 mg/m³ |
| Slovakia | OEL Chemical Category (Legal Basis:Gov. Decree 33/2018) | Potential for cutaneous absorption |
| Spain | OEL TWA (Legal Basis:OELCAIS) | 0,1 mg/m³ |
| Spain | OEL STEL (Legal Basis:OELCAIS) | 0,2 mg/m³ |
| Spain | OEL Chemical Category (Legal Basis:OELCAIS) | skin - potential for cutaneous absorption |
| Sweden | OEL TLV (Legal Basis:AFS 2018:1) | 0,1 mg/m³ (total dust) |
| Sweden | OEL STEL (Legal Basis:AFS 2018:1) | 0,2 mg/m³ (total dust) |
| Sweden | OEL Chemical Category (Legal Basis:AFS 2018:1) | Skin notation |
| Switzerland | OEL STEL (Legal Basis:OLVSNAIF) | 0,2 mg/m³ (inhalable dust) |
| Switzerland | OEL TWA (Legal Basis:OLVSNAIF) | 0,1 mg/m³ (inhalable dust) |
| Switzerland | OEL Chemical Category (Legal Basis:OLVSNAIF) | Skin notation |

8.2. Exposure Controls

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas.
Ensure all national/local regulations are observed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment

Gloves. Protective clothing. Protective goggles. Face shield.
Insufficient ventilation: wear respiratory protection. Personal protective equipment should be chosen in accordance with Regulation (EU) 2016/425, CEN standards, and in discussion with the supplier of the protective equipment.



Materials for Protective Clothing

Chemically resistant materials and fabrics. Corrosion-proof clothing.

Hand Protection

Wear protective gloves.

Eye Protection

Chemical safety goggles and face shield.

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, Appearance | White paste |
| Odour | Acetic acid |
| Odour Threshold | No data available |
| pH | No data available |
| Evaporation Rate | No data available |
| Melting Point | No data available |
| Freezing Point | No data available |
| Boiling Point | No data available |
| Flash Point | > 135 °C (275 °F) |
| Auto-Ignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Flammability (solid, gas) | Not applicable |
| Vapour Pressure | No data available |
| Relative Vapour Density At 20 °C | No data available |
| Relative Density | > 1 (water = 1) |
| Solubility | No data available |
| Partition Coefficient n-Octanol/Water | No data available |
| Viscosity | No data available |
| Explosive Properties | No data available |
| Oxidising Properties | No data available |
| Explosive Limits | No data available |
| Particle Aspect Ratio | Not applicable |
| Particle Aggregation State | Not applicable |

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| | |
|--------------------------------|----------------|
| Particle Agglomeration State | Not applicable |
| Particle Specific Surface Area | Not applicable |
| Particle Dustiness | Not applicable |

9.2. Other Information

| | |
|-------------|-------|
| VOC content | < 1 % |
|-------------|-------|

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

May hydrolyze with water to form acetic acid.

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 oxidisers. Water.

10.6. Hazardous Decomposition Products

From hydrolysis: acetic acid. Will decompose above 150 °C (>300° F) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation. . Thermal decomposition generates: Corrosive vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Hazard Classes As Defined In Regulation (EC) No 1272/2008

| | |
|-----------------------------|---|
| Likely Routes of Exposure | Inhalation. Ingestion. Dermal. Eye contact. |
| Acute Toxicity (Oral) | Not classified (Based on available data, the classification criteria are not met) |
| Acute Toxicity (Dermal) | Not classified (Based on available data, the classification criteria are not met) |
| Acute Toxicity (Inhalation) | Not classified (Based on available data, the classification criteria are not met) |

| | |
|--|-----------------------------|
| Titanium dioxide (13463-67-7) | |
| LD50 Oral Rat | > 10000 mg/kg |
| LC50 Inhalation Rat | 5,09 mg/l/4h |
| Silanetriol, ethyl-, triacetate (17689-77-9) | |
| LD50 Oral Rat | 1460 mg/kg |
| LD50 Oral | 1462 mg/kg |
| Silanetriol, methyl-, triacetate (4253-34-3) | |
| LD50 Oral Rat | 1437 – 1780 mg/kg |
| LD50 Oral | 1602 mg/kg |
| Stannane, dioctylbis[(1-oxododecyl)oxy]- (3648-18-8) | |
| LD50 Oral Rat | > 2000 mg/kg |
| LD50 Dermal Rat | > 2000 mg/kg |
| Octamethylcyclotetrasiloxane (556-67-2) | |
| LD50 Oral Rat | > 4800 mg/kg (No mortality) |
| LD50 Dermal Rat | > 2375 mg/kg |
| LD50 Dermal Rabbit | > 2,5 ml/kg (No mortality) |
| LC50 Inhalation Rat | 36 mg/l/4h |
| Decamethylcyclopentasiloxane (541-02-6) | |

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| | |
|---------------------|--|
| 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 |

| | |
|---|--------------------------|
| Dodecamethylcyclotetrasiloxane (540-97-6) | |
| LD50 Oral Rat | > 50 g/kg |
| LD50 Dermal Rat | > 2000 mg/kg (No deaths) |

| | |
|-----------------------------------|--|
| Skin Corrosion/Irritation | Causes severe skin burns. |
| 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) |

| | |
|-------------------------------|----|
| Titanium dioxide (13463-67-7) | |
| IARC Group | 2B |

| | |
|--|--|
| 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) |
| Symptoms/Injuries After Inhalation | May be corrosive to the respiratory tract. |
| Symptoms/Injuries After Skin Contact | Causes severe irritation which will progress to chemical burns. |
| Symptoms/Injuries After Eye Contact | Causes permanent damage to the cornea, iris, or conjunctiva. |
| Symptoms/Injuries After Ingestion | May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. |
| Chronic Symptoms | None known. |

11.2. Information On Other Hazards

Based on available data this substance/the substances in this mixture not listed below do(es) not have endocrine disrupting properties with respect to humans as it does not meet the criteria set out in section A of Regulation (EU) No 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

| | |
|---|---|
| Hazardous To The Aquatic Environment, Short-Term (Acute) | Not classified (Based on available data, the classification criteria are not met) |
| Hazardous To The Aquatic Environment, Long-Term (Chronic) | Harmful to aquatic life with long lasting effects. |

| | |
|---|--|
| Titanium dioxide (13463-67-7) | |
| LC50 - Fish | > 1000 ml/l (Exposure Time: 96h - Species: Pimephales promelas (static)) |
| Octamethylcyclotetrasiloxane (556-67-2) | |
| LC50 - Fish | > 22 µg/l |
| NOEC chronic Fish | 0,0044 mg/l |

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| | |
|-------------------------------|---|
| MED-2000-1 | |
| Persistence and Degradability | May cause long-term adverse effects in the environment. |

| | |
|---|------------------|
| MED-2000-1 | |
| Bioaccumulative Potential | Not established. |
| Silanetriol, methyl-, triacetate (4253-34-3) | |
| Partition coefficient n-octanol/water (Log Pow) | 0,25 KowWin |
| Octamethylcyclotetrasiloxane (556-67-2) | |
| BCF Fish | 12400 |
| Partition coefficient n-octanol/water (Log Pow) | 5,1 |

No additional information available

| | |
|--|---|
| Octamethylcyclotetrasiloxane (556-67-2) | This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII |
| Decamethylcyclopentasiloxane (541-02-6) | This substance meets the vPvB criteria of REACH regulation, annex XIII |
| Dodecamethylcyclohexasiloxane (540-97-6) | This substance meets the vPvB criteria of REACH regulation, annex XIII |

Based on available data this substance/the substances in this mixture not listed below do(es) not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

| | |
|-------------------|-----------------------------------|
| Other Information | Avoid release to the environment. |
|-------------------|-----------------------------------|

| | |
|----------------------------|--|
| Product/Packaging Disposal | Dispose of contents/container in accordance with local, regional, national, and international regulations. |
| Additional Information | Container may remain hazardous when empty. Continue to observe all precautions. |
| Ecology - Waste Materials | This material is hazardous to the aquatic environment. Keep out of sewers and waterways. Avoid release to the environment. |

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 Number or ID Number | | | | |
| UN 1760 | UN 1760 | UN 1760 | UN 1760 | UN 1760 |
| 14.2. UN Proper Shipping Name | | | | |
| CORROSIVE LIQUID, N.O.S. (Silanetriol, ethyl-, triacetate, Silanetriol, methyl- | CORROSIVE LIQUID, N.O.S. (Silanetriol, ethyl-, triacetate, Silanetriol, methyl- | Corrosive liquid, n.o.s. ((Silanetriol, ethyl-, triacetate, Silanetriol, methyl-, triacetate)) | CORROSIVE LIQUID, N.O.S. (Silanetriol, ethyl-, triacetate, Silanetriol, methyl- | CORROSIVE LIQUID, N.O.S. (Silanetriol, ethyl-, triacetate, Silanetriol, methyl- |

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| | | | | |
|---|---|---|--|---|
| ADR | IMDG | IATA | ADN | RID |
| , triacetate)) | , triacetate)) | | , triacetate)) | , triacetate)) |
| 14.3. Transport Hazard Class | | | | |
| 8 | 8 | 8 | 8 | 8 |
|  |  |  |  |  |
| 14.4. Packing Group | | | | |
| II | II | II | II | II |
| 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. Maritime Transport in Bulk According to IMO instruments

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

15.1.1.1. REACH Annex XVII Information

Contains no REACH substances with Annex XVII restrictions

15.1.1.2. REACH Candidate List Information

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety (EC 222-883-3, CAS 3648-18-8), Octamethylcyclotetrasiloxane (D4) (EC 209-136-7, CAS 556-67-2), Decamethylcyclopentasiloxane (D5) (EC 208-764-9, CAS 541-02-6), Dodecamethylcyclohexasiloxane (D6) (EC 208-762-8, CAS 540-97-6)

15.1.1.3. POP (2019/1021) - Persistent Organic Pollutants Information

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.1.4. PIC Regulation EU (649/2012) - Export and Import of Hazardous Chemicals Information

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

15.1.1.5. REACH Annex XIV Information

Contains no REACH Annex XIV substances

15.1.1.6. Substances Depleting the Ozone layer (1005/2009) Information

No additional information available

15.1.1.7. EC Inventory Information

No additional information available

15.1.1.8. Other Information

No additional information available

15.1.2. National Regulations

No additional information available

15.1.3. International Inventory Lists

No additional information available

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Date of Preparation or Latest 12/05/2022

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) 2020/878

Full Text of H-statements:

| | |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H351 | Suspected of causing cancer. |
| H360D | May damage the unborn child. |
| H361f | Suspected of damaging fertility. |
| H371 | May cause damage to organs. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Repr. 1B | Reproductive toxicity, Category 1B |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C |
| STOT RE 1 | Specific target organ toxicity — Repeated exposure, Category 1 |
| STOT SE 2 | Specific target organ toxicity — Single exposure, Category 2 |

Classification and Procedure Used to Derive the Classification for Mixtures According to Regulation (EC) 1272/2008 [CLP]:

| | |
|-------------------|--------------------|
| Skin Corr. 1B | Calculation method |
| Eye Dam. 1 | Calculation method |
| Aquatic Chronic 3 | Calculation method |

Indication of Changes

No additional information available

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

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

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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
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 and water
MAK – Maximum Workplace Concentration/Maximum Permissible Concentration
MARPOL - International Convention for the Prevention of Pollution

Limit Value Legal Basis*

*Includes the below and any related regulations/provisions, and subsequent amendments

EU - 2019/1831 EU in accor. with 98/24/EC - Directive 2019/1831/EU of October 24, 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 2000/39/EC.

EU - 2019/1243/EU, and 98/24/EC - Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work and amendment Regulation (EU) 2019/1243.

Austria - BGBl. II Nr. 254/2018 - Ordinance on Limit Values for Workplace Substances and on Carcinogens from the Federal Ministry of Economics and Labour, Published in 2003, Appendix 1: Substance List, Published through: Ministry of Economics and Labour of the Republic of Austria amended through the Government Gazette II (BGBl. II) No 119/2004) & BGBl. II No. 242/2006, BGBl. II No. 243/2007, lastly changed through BGBl. I Nr. 51/2011), BGBl. II Nr. 186/2015, BGBl. II Nr. 288/2017 amended by BGBl. II Nr. 254/2018.

Austria - BLV BGBl. II Nr. 254/2018 - Ordinance on health monitoring at the workplace 2008, published through BGBl. II Nr. 224/2007 by Austria Minister for Labor and Social Affairs, Lastly changed through BGBl. II Nr. 254/2018

Belgium - Royal Decree 21/01/2020 - Royal decree amending title 1 relating to chemical agents in Book VI of the code of well-being at work, with regard to the list of limit values of exposure to chemical agents and title 2 relating to carcinogens, mutagens and reprotoxics of Book VI of the code of well-being at work (1)

Bulgaria - Reg. No. 13/10 - Regulation No. 13 of December 30, 2003 on the Protection of Workers from Hazards Related to Exposure to Chemical Agents at Work Labor Code, Annex No.1 Limit values of chemical agents in the air of the working environment, and Annex № 2 Biological limit values of chemical agents and their metabolites (bio markers of exposure) or bio markers of effect Amended by: 71/2006, 67/2007, 2/2012, 46/2015, 73/2018, 5/2020), and Regulation No.10 of September 26, 2003 on the Protection of Workers from the Risks Associated with Exposure to Carcinogens and Mutagens at Work Annex No.1 Occupational Exposure Limits, Amended by: 8/2004, 46/2015, 5/2020

Croatia - OG No. 91/2018 - Regulation on the Protection 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
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 Limite Ambiental Exposición de Corta Duración
VLA-ED - Valor Limite Ambiental Exposición Diaria
VLE – Valeur Limite D'exposition
VME – Valeur Limite De Moyenne Exposition
vPvB - Very Persistent and Very Bioaccumulative
WEL – Workplace Exposure Limit
WGK - Wassergefährdungsklasse

Greece - PWHSE - Occupational Exposure Limits - Protection of workers' health and safety from exposure to certain chemical substances during the workday, (latest amendment 82/2018) and Occupation Exposure Limits - Protection of workers' health and safety from exposure to certain carcinogenic and mutagenic chemical substances (latest amendment 26/2020), and Presidential Decree 212/2006 - Protection of workers that are exposed to asbestos.

Hungary - Decree 05/2020 - 5/2020. (II. 6.) ITM decree on the protection of the health and safety of workers from the risks related to chemical agents

Ireland - 2020 COP - 2020 Code of Practice for the Chemical Agents Regulations, Schedule 1

Italy - Decree 81 - Title IX, Annex XLIII and XXXVIII, Professional Exposure Limits and Annex XXXIX Mandatory Biological Limit Values and Health Monitoring, Article 1, Law 123 of August 3, 2007, Legislative Decree 81 of April 9, 2008, Last amended: January 2020

Italy - IMDFN1 - Ministerial Decree of August 20, 1999 Final Note (1)

Latvia - Reg. No. 325 - Cabinet of Ministers Regulation No. 325 - Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces, Amended by Cabinet of Ministers Regulation No. 92, 163, 407 and No. 11.

Lithuania - HN 23:2011 - Lithuanian Hygiene Standard HN 23:2011 Occupational Exposure Limit Values, Amended by Order V-695/A1-272.

Luxembourg - A-N 684 - Grand-Ducal Regulation of 20 July 2018 amending the Grand-Ducal Regulation of 14 November 2016 concerning the protection of the safety and health of employees against the risks associated with chemical agents in the workplace. Official journal of the Grand-Duke of Luxembourg, A-N°684 of 2018

Malta - MOSHAA Ch. 424 - Malta Occupational Health and Safety Authority Act: Chapter 424 as amended by: Legal Notice 353, 53, 198, and 57.

Netherlands- OWCRLV - Occupational Working Conditions Regulation, Limit Values for substances harmful to health, Annex XVIII, Updated from August 1, 2020.

Norway - FOR-2020-04-060695 - Regulations concerning action and limit values for physical and chemical agents in the working

MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Workers from Exposure to Hazardous Chemicals at Work, the Limit Values of Exposure and the Biological Limit Values. Official Gazette No. 91 of October 12, 2018

Cyprus - KDP 16/2019 - Government of Cyprus Cabinet of Ministers Regulation 268/2001 - Safety and Health in the Working Environment (Chemical Substances) Article 38, As amended by Regulation 16/2019 and Cabinet of Ministers Regulation 153/2001 - Safety and Health in the Working Environment (Chemical Substances-Carcinogens), as amended by Regulation 493/2004 - Safety and Health in the Working Environment (Chemical Substances - Carcinogens) AND Law 47(I) 2000 - Occupational Health and Safety (Asbestos), as amended by Decree 316/2006.

Czech Republic - Reg. 41/2020 - Regulation 41/2020 amending Regulation 361/2007 of Coll. establishing Occupation Exposure Limits as amended

Czech Republic - Decree No. 107/2013 - Decree No. 107/2013 Coll., amending Decree No. 432/2003 Coll., laying down the conditions for the application of the work into categories, limit values for the parameters of biological exposure tests, collection of biological material conditions for the implementation of biological exposure tests and requirements for reporting work with asbestos and biological agents

Denmark - BEK No. 698 of 28/05/2020 - Order on Limit Values for Substances and Materials, The Statutory Order No. 507 of May 17, 2011, Appendix 1 - Limits for air pollution, etc. and Appendix 3 - Biological Exposure Values, Amended by: No. 986 of October 11, 2012, No. 655 of May 31, 2018, No. 1458 December 13, 2019, No. 698 of May 28, 2020

Estonia - Regulation No. 105 - Health and Safety Requirements for the Use of Dangerous Chemicals and Materials Containing Them and Occupational Exposure Limits to Chemical Agents Government of the Republic, Regulation No. 105 of 20 March 2001, Amended 17 October 2019, and 17 January, 2020.

Finland - HTP-ARVOT 2020 - Concentrations Known to be Hazardous, 654/2020 OEL values 2020 Publications of Ministry of Social Affairs and Health 2020:24 Annexes1, 2 and 3.

France - INRS ED 984 - Occupational Exposure Limit Values to Chemical Agents in France Published 2016 by the INRS National Institute of Research and Safety Health and safety of work, revised, updated by: Decree 2016-344, JORF No 0119, and Decree 2019-1487.

France - Decree 2009-1570 - Decree 2009-1570 of December 15, 2009, relative to the control of chemical risk on workplaces.

Germany - TRGS 900 - Occupational Exposure Limits, Technical Rules for Dangerous Substances, latest amendment March, 2020

Germany - TRGS 903 - Biological Threshold Limits (BGW-Values), Technical Rules for Dangerous Substances, latest amendment March, 2020

Gibraltar - LN. 2018/131 - Factories (Control of Chemical Agents at Work) Regulations 2003 LN. 2003/035, amended by LN. 2008/035, LN. 2008/050, LN. 2012/021, LN. 2015/143, LN. 2018/181.

environment and classified biological agents, FOR-2011-12-06-1358, Updated by: FOR-2020-04-06-695, FOR-2020-03-23-402, FOR-2018-12-20-2186, FOR-2018-08-21-1255, FOR-2017-12-20-2353.

Poland - Dz. U. 2020 Nr. 61 - Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the Highest Allowable Concentrations and Intensities of Factors Harmful to Health in the Work Environment Dz.U. 2018 Nr. 1286 of June 12, 2018, Annex 1 - List of values of the highest permissible chemical concentrations and dust factors harmful to health in the work environment, amended by: Dz. U. 2020 Nr. 61.

Portugal - Portuguese Norm NP 1796:2014 - Occupational exposure limits and biological exposure indices to chemical agents. Table 1 - Occupational exposure limits and biological exposure indices to chemical agents (OELs), Law Decree 35/2020.

Romania - Gov. Dec. No 1.218 - Governmental Decision No. 1.218 from 06/09/2006 on the minimum health and safety requirements for protection of workers from the risks related to exposure to chemical agents, Annex No. 1 Mandatory National Occupational Exposure Limit Values for Chemical Agents. Amended by Decision no. 157, 584, 359, and 1.

Slovakia - Gov. Decree 33/2018 - Government Decree of Slovak Republic 33/2018 on January 17, 2018 amending Government Decree of Slovak Republic 355/2006 about protection of health of employees when working with chemical agents

Slovenia - No. 79/19 - Regulation for protection of workers against risks related to carcinogenic or mutagenic substances exposure. Annex III - Classification and binding levels of carcinogenic or mutagenic substances for occupational exposure. The Official Journal of the Republic of Slovenia, No. 101/2005. Amended by 38/15, 79/19. Regulation for protection of workers against risks related to exposure to chemical substances at the workplace. Republic of Slovenia, No. 100/2001 . Annex I - List of Binding Occupational Exposure Limit Values. Amended by 39/05, 53/07, 102/10, 38/15, 78/18, 78/19

Spain - AFS 2018:1 - NATIONAL INSTITUTE FOR HEALTH AND SAFETY AT WORK. Occupational exposure limits for chemical agents in Spain. Tables 1 and 3. Latest edition Feb. 2019

Sweden - AFS 2018:1 - Statute Book of the Swedish Work Environment Authority, AFS 2018:1 The Swedish Work Environment Authority's Ordinance and General Guidance on Hygienic Limit Values

Switzerland - OLVSNAlF - Occupational Limit Values 2020 Swiss National Accident Insurance Fund. List of Biological Limit Values (BAT-Werte) and List of MAK Values.

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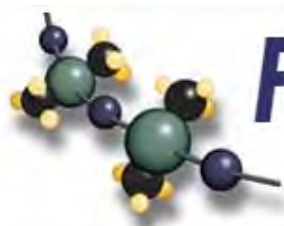
MED-2000-1

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

LIMITATION, FOR LOSS OF PROFITS, REPUTATIONAL DAMAGE, PRODUCT RECALL OR BUSINESS INTERRUPTION.

Nusil EU GHS SDS (2020/878)



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