

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Revision date: 03/01/2020 Date of issue: 13/09/2013

Version: 5.0

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

1.1. Product Identifier

Product form Mixture
Product Name R-1182
Synonyms Silicone Coating

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1. Relevant Identified Uses

Use of the Substance/Mixture For professional use only.

1.2.2. Uses Advised Against

No additional information available

1.3. Details of the Supplier of the Safety Data Sheet

NuSil Technology Europe
1198 Avenue Maurice Donat
Le Natura Bt. 2
06250 Mougins
France
+33 4 92 96 93 31
ehs@nusil.com
www.nusil.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC
(International and Maritime)
+(44)-870-8200418
+(353)-19014670

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

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

Flam. Liq. 2 H225
Skin Corr. 1B H314
Eye Dam. 1 H318
Repr. 1B H360
Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 1.6

2.2. Label Elements

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

Hazard Pictograms (CLP)



GHS02



GHS05



GHS08

Signal Word (CLP)

Danger

Hazardous Ingredients

tert-Butyl acetate; Silanetriol, ethyl-, triacetate; Silanetriol, methyl-, triacetate; Dibutyltin diacetate

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Hazard Statements (CLP)	H225 - Highly flammable liquid and vapour. H314 - Causes severe skin burns and eye damage. H360 - May damage fertility or the unborn child. H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statements (CLP)	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical, ventilating, and lighting equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P260 - Do not breathe mist, spray, vapours. P264 - Wash hands, forearms, and exposed areas thoroughly after handling/ P273 - Avoid release to the environment. P280 - Wear eye protection, face protection, protective clothing, protective gloves. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a POISON CENTER or doctor P321 - Specific treatment (see Section 4 on this SDS) P370+P378 - In case of fire: Use carbon dioxide (CO ₂), sand, foam to extinguish P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements	EUH014 - Reacts violently with water. EUH066 - Repeated exposure may cause skin dryness or cracking. EUH208 - Contains Dibutyltin diacetate(1067-33-0). May produce an allergic reaction.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification	Exposure may aggravate pre-existing eye, skin, or respiratory conditions.
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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]
tert-Butyl acetate substance with national workplace exposure limit(s) (AT, BE, CH, CZ, DE, DK, ES, FI, FR, GB, GR, IE, LV, PL, PT, SE, SK)	(CAS-No.) 540-88-5 (EC-No.) 208-760-7 (EC Index-No.) 607-026-00-7	70 - 80	Flam. Liq. 2, H225
Silanetriol, ethyl-, triacetate	(CAS-No.) 17689-77-9 (EC-No.) 241-677-4	10 - 20	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Silanetriol, methyl-, triacetate	(CAS-No.) 4253-34-3 (EC-No.) 224-221-9	< 10	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318
Dibutyltin diacetate	(CAS-No.) 1067-33-0 (EC-No.) 213-928-8	< 1	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First Aid Measures

4.1. Description of First-aid Measures

First-Aid Measures General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-Aid Measures After Inhalation

When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

First-Aid Measures After Skin Contact

Remove contaminated clothing. Rinse cautiously with water for at least 30 minutes. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse.

First-Aid Measures After Eye Contact

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

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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/Effects Causes severe skin burns and eye damage. May damage fertility. May damage the unborn child.

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 May damage fertility or the unborn child.

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 Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.

Unsuitable Extinguishing Media Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard Highly flammable liquid and vapour.

Explosion Hazard May form flammable or explosive vapour-air mixture.

Reactivity Reacts violently with strong oxidisers. Increased risk of fire or explosion. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

Hazardous Decomposition Products in Case of Fire Carbon oxides (CO, CO₂). 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. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

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 get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Do not breathe vapour, mist or spray.

6.1.1. For Non-Emergency Personnel

Protective Equipment Use appropriate personal protective equipment (PPE).
Emergency Procedures Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Responders

Protective Equipment Equip cleanup crew with proper protection.
Emergency Procedures Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

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. Ventilate area.

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. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Cautiously neutralize spilled liquid.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Additional Hazards When Processed Handle empty containers with care because residual vapours are flammable. May release corrosive vapours.

Precautions for Safe Handling Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Handle empty containers with care because they may still present a hazard. Do not breathe vapour, mist, spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene Measures Handle in accordance with good industrial hygiene and safety procedures.

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7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures

Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions

Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place. Store in original container or corrosive resistant and/or lined container. Strong acids, strong bases, strong oxidizers.

Incompatible Materials

7.3. Specific End Use(S)

Provides a RTV, low-friction coating on cured silicone substrates. For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

tert-Butyl acetate (540-88-5)		
Austria	MAK (mg/m ³)	96 mg/m ³
Austria	MAK (ppm)	20 ppm
Austria	MAK Short time value (mg/m ³)	96 mg/m ³
Austria	MAK Short time value (ppm)	20 ppm
Austria	OEL - Ceilings (mg/m ³)	96 mg/m ³
Austria	OEL - Ceilings (ppm)	20 ppm
Belgium	Limit value (mg/m ³)	238 mg/m ³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m ³)	712 mg/m ³
Belgium	Short time value (ppm)	150 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	966 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	200 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	1210 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	250 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	950 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	710 mg/m ³ (Butyl acetate, all isomers)
Denmark	Grænseværdie (langvarig) (ppm)	150 ppm (Butyl acetate, all isomers)
Finland	HTP-arvo (8h) (mg/m ³)	720 mg/m ³ (Butyl acetate)
Finland	HTP-arvo (8h) (ppm)	150 ppm (Butyl acetate)
Finland	HTP-arvo (15 min)	960 mg/m ³ (Butyl acetate)
Finland	HTP-arvo (15 min) (ppm)	200 ppm (Butyl acetate)
France	VME (mg/m ³)	950 mg/m ³

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France	VME (ppm)	200 ppm
Germany	Occupational exposure limit value (mg/m ³)	96 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Occupational exposure limit value (ppm)	20 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (mg/m ³)	950 mg/m ³
Greece	OEL TWA (ppm)	200 ppm
Greece	OEL STEL (mg/m ³)	1190 mg/m ³
Greece	OEL STEL (ppm)	250 ppm
Ireland	OEL (8 hours ref) (mg/m ³)	950 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	600 ppm (calculated)
Latvia	OEL TWA (mg/m ³)	200 mg/m ³
Poland	NDS (mg/m ³)	900 mg/m ³
Poland	NDSCh (mg/m ³)	900 mg/m ³
Portugal	OEL TWA (ppm)	200 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	500 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	100 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	384 mg/m ³
Slovenia	OEL TWA (mg/m ³)	96 mg/m ³
Slovenia	OEL TWA (ppm)	20 ppm
Slovenia	OEL STEL (mg/m ³)	96 mg/m ³
Slovenia	OEL STEL (ppm)	20 ppm
Spain	VLA-ED (mg/m ³)	966 mg/m ³
Spain	VLA-ED (ppm)	200 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	500 mg/m ³ (Butyl acetates)
Sweden	nivågränsvärde (NVG) (ppm)	100 ppm (Butyl acetates)
Sweden	kortidsvärde (KTV) (mg/m ³)	700 mg/m ³ (Butyl acetates)
Sweden	kortidsvärde (KTV) (ppm)	150 ppm (Butyl acetates)
Switzerland	KZGW (mg/m ³)	480 mg/m ³
Switzerland	KZGW (ppm)	100 ppm
Switzerland	MAK (mg/m ³)	240 mg/m ³
Switzerland	MAK (ppm)	50 ppm
United Kingdom	WEL TWA (mg/m ³)	966 mg/m ³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m ³)	1210 mg/m ³
United Kingdom	WEL STEL (ppm)	250 ppm

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8.2. Exposure Controls

Appropriate Engineering Controls

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. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Gas detectors should be used when toxic gases may be released.

Personal Protective Equipment

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



Materials for Protective Clothing

Chemically resistant materials and fabrics. Wear fire/flammable resistant/retardant clothing. 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 Hazards

9.1. Information on Basic Physical and Chemical Properties

Physical State	Liquid
Colour	Off-white
Odour	Sweet
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	98 °C (208 °F)
Flash Point	4,4 °C (40 °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, Kinematic	No data available

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Viscosity, Dynamic	No data available
Explosive Properties	No data available
Oxidising Properties	No data available
Explosive Limits	No data available

9.2. Other Information

VOC content 70 - 80 %

SECTION 10: Stability and Reactivity

10.1. Reactivity

Reacts violently with strong oxidisers. Increased risk of fire or explosion. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

10.2. Chemical Stability

Extremely flammable liquid and vapour. May form flammable or explosive vapour-air mixture.

10.3. Possibility Of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions To Avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products

Thermal decomposition generates: Corrosive vapours.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

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

tert-Butyl acetate (540-88-5)	
LD50 Oral Rat	4500 mg/kg
LD50 Oral	3300 mg/kg
LD50 Dermal Rabbit	> 2000
LC50 Inhalation Rat	> 9482 mg/m ³ (Exposure time: 4 h)
LC50 Inhalation Rat	5157 ppm/4h
LC50 Inhalation Rat	13,3 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
Dibutyltin diacetate (1067-33-0)	
LD50 Oral	32 mg/kg

Skin Corrosion/Irritation Causes severe skin burns and eye damage.
Eye Damage/Irritation Causes serious eye damage.

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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	May damage fertility or the unborn child.
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

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General Harmful to aquatic life with long lasting effects.

tert-Butyl acetate (540-88-5)	
LC50 Fish 1	296 - 362 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
Dibutyltin diacetate (1067-33-0)	
EC50 Chronic	0,035 mg/l Exposure time: 72 hour (Species: Skeletonema costatum)
NOEC (Acute)	0,65 mg/l
NOEC Chronic Crustacea	0,32 mg/l (48-Hour EC50 Daphnia magna)

12.2. Persistence and Degradability

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Persistence and Degradability	May cause long-term adverse effects in the environment.
Dibutyltin diacetate (1067-33-0)	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

R-1182	
Bioaccumulative potential	Not established.
tert-Butyl acetate (540-88-5)	
Log Pow	1,38
Silanetriol, methyl-, triacetate (4253-34-3)	
Log Pow	0,25 KowWin
Dibutyltin diacetate (1067-33-0)	
Bioaccumulative Potential	Not established.

12.4. Mobility in Soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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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
Additional Information

Dispose of contents/container in accordance with local, regional, national, and international regulations.
Handle empty containers with care because residual vapours are flammable.

Ecology - Waste Materials

Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

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

ADR	IMDG	IATA	ADN	RID
14.1. UN Number				
2924	2924	2924	2924	2924
14.2. UN Proper Shipping Name				
FLAMMABLE LIQUID, CORROSIVE, N.O.S. (CONTAINS : Silanetriol, ethyl-, triacetate ; Silanetriol, methyl-, triacetate)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (CONTAINS : Silanetriol, ethyl-, triacetate ; Silanetriol, methyl-, triacetate)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (CONTAINS : Silanetriol, ethyl-, triacetate ; Silanetriol, methyl-, triacetate)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (CONTAINS : Silanetriol, ethyl-, triacetate ; Silanetriol, methyl-, triacetate)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (CONTAINS : Silanetriol, ethyl-, triacetate ; Silanetriol, methyl-, triacetate)
14.3. Transport Hazard Class(Es)				
3 (8)	3 (8)	3 (8)	3 (8)	3 (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. Transport in Bulk According to Annex II of MARPOL and The IBC Code

Not applicable

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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

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	03/01/2020
2	Hazards identification	Modified	03/01/2020
3	Composition/information on ingredients	Modified	03/01/2020
4	First aid measures	Modified	03/01/2020
5	Firefighting measures	Modified	03/01/2020
9	Physical and chemical properties	Modified	03/01/2020
10	Stability and reactivity	Modified	03/01/2020
11	Toxicological information	Modified	03/01/2020
14	Transport information	Modified	03/01/2020

Date of Preparation or Latest Revision 03/01/2020

Revision

Data Sources

Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other Information

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Full Text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B

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Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 1	Specific target organ toxicity — Single exposure, Category 1
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH014	Reacts violently with water.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Dibutyltin diacetate(1067-33-0). May produce an allergic reaction.

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
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 K_{oc} - Soil Organic Carbon-water Partitioning Coefficient
Log K_{ow} - 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

NDS - Najwyższe Dopuszczalne Stezenie
NDSCh - Najwyższe Dopuszczalne Stezenie Chwilowe
NDSP - Najwyższe Dopuszczalne Stezenie 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
TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte
TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
VOC – Volatile Organic Compounds
VLA-EC - Valor Límite Ambiental Exposición de Corta Duración
VLA-ED - Valor Límite Ambiental Exposición Diaria
VLE – Valeur Limite D'exposition
VME – Valeur Limite De Moyenne Exposition
vPvB - Very Persistent and Very Bioaccumulative
WEL – Workplace Exposure Limit
WGK - Wassergefährdungsklasse

Nusil EU GHS SDS

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

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