

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Revision date: 28/08/2020 Date of issue: 08/06/2015

Version: 2.0

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

### 1.1. Product Identifier

Product form Mixture  
Product Name CV-2900

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

Eye Irrit. 2 H319

Skin Sens. 1 H317

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

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)



GHS07

GHS09

Signal Word (CLP)

Warning

Hazardous Ingredients

N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine; 2-Butanone,  
O,O',O''-(methylsilylydyne)trioxime; Dibutyltin dilaurate

Hazard Statements (CLP)

H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.

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### Precautionary Statements (CLP)

H410 - Very toxic to aquatic life with long lasting effects.  
P261 - Avoid breathing vapours, mist, or spray  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 - Specific treatment (see section 4 on this SDS).  
P333+P313 - If skin irritation or rash 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.  
P391 - Collect spillage.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other Hazards

Other Hazards Not Contributing to the Classification

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

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Zinc oxide (ZnO)	(CAS-No.) 1314-13-2 (EC-No.) 215-222-5 (EC Index-No.) 030-013-00-7	50 - 70	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-Butanone, O,O',O''-(methylsilyldiyl)trioxime	(CAS-No.) 22984-54-9 (EC-No.) 245-366-4	< 10	Eye Irrit. 2, H319 Skin Sens. 1B, H317 STOT RE 2, H373
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	(CAS-No.) 1760-24-3 (EC-No.) 217-164-6	< 1	Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Dam. 1, H318 Skin Sens. 1, H317

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Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Dibutyltin dilaurate	(CAS-No.) 77-58-7 (EC-No.) 201-039-8 (EC Index-No.) 050-030-00-3	< 0,3	Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 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. Obtain medical attention if breathing difficulty persists.
First-Aid Measures After Skin Contact	Remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. If exposed or concerned: Get medical advice/attention. Obtain medical attention if irritation/rash develops or persists.
First-Aid Measures After Eye Contact	Immediately rinse 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/Effects	Skin sensitisation. Causes serious eye irritation.
Symptoms/Effects After Inhalation	Prolonged exposure may cause irritation.
Symptoms/Effects After Skin Contact	May cause an allergic skin reaction.
Symptoms/Effects After Eye Contact	Contact causes severe irritation with redness and swelling of the conjunctiva.
Symptoms/Effects 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.

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### SECTION 5: Firefighting Measures

#### 5.1. Extinguishing Media

Suitable Extinguishing Media	Water spray, fog, carbon dioxide (CO <sub>2</sub> ), alcohol-resistant foam, or dry chemical.
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.
Hazardous Decomposition	Carbon oxides (CO, CO <sub>2</sub> ). Silicon oxides.
Products in Case of Fire	

#### 5.3. Advice for Firefighters

Precautionary Measures Fire	Exercise caution when fighting any chemical fire.
Firefighting Instructions	Use water spray or fog for cooling exposed containers.
Protection During Firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.
Other Information	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. Do not breathe vapour, mist or spray.
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##### 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 recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

#### 6.3. Methods and Materials for Containment and Cleaning Up

For Containment	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods For Cleaning Up	Clean up spills immediately and dispose of waste safely. 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.

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### SECTION 7: Handling And Storage

#### 7.1. Precautions for Safe Handling

Precautions for Safe Handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin, eyes and clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapours, mist, spray.
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	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 locked up/in a secure area.
Incompatible Materials	Strong acids, strong bases, strong oxidizers.

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

For professional use only.

### SECTION 8: Exposure Controls/Personal Protection

#### 8.1. Control Parameters

Zinc oxide (ZnO) (1314-13-2)		
Austria	MAK (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction, smoke)
Belgium	Limit value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (dust) 5 mg/m <sup>3</sup> (fume) 5 mg/m <sup>3</sup> (aerosol and vapor)
Belgium	Short time value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume) 10 mg/m <sup>3</sup> (aerosol and vapor)
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (respirable dust)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Denmark	Grænsevædi (8 timer) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> 4 mg/m <sup>3</sup> (fume)
Estonia	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (fume)
Finland	HTP-arvo (15 min)	10 mg/m <sup>3</sup> (fume)
France	VME (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (fume) 10 mg/m <sup>3</sup> (dust)
Greece	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (fume)
Greece	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume)
Hungary	AK-érték	5 mg/m <sup>3</sup> (respirable dust)

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Hungary	CK-érték	20 mg/m <sup>3</sup> (respirable dust)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (fume; respirable fraction)
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume; respirable fraction)
Latvia	OEL TWA (mg/m <sup>3</sup> )	0,5 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Norway	Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (value calculated)
Poland	NDS (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (inhalable fraction)
Poland	NDSch (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable fraction)
Portugal	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (respirable fraction)
Portugal	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (respirable fraction)
Romania	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (fume)
Romania	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume)
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (fume)
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Spain	VLA-ED (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (respirable fraction)
Spain	VLA-EC (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (total dust)
Switzerland	KZGW (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (respirable dust, smoke)
Switzerland	MAK (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (respirable dust, smoke)
Tin organic compounds		
Austria	MAK (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (except tri-n-Butyltin compounds-inhalable fraction)
Austria	MAK Short time value (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (except Tri-n-butyltin compounds-inhalable fraction)
Austria	OEL chemical category (AT)	Skin notation except Tri-n-butyltin compounds
Belgium	Limit value (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Belgium	Short time value (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Belgium	OEL chemical category (BE)	Skin
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (except Cyhexatin)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (except Cyhexatin)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Czech Republic	OEL chemical category (CZ)	Potential for cutaneous absorption
Denmark	Grænsevædi (8 timer) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (except Tri-n-butyltin compounds)
Estonia	OEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Estonia	OEL STEL (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Estonia	OEL chemical category (ET)	Skin notation
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>

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Finland	HTP-arvo (15 min)	0,3 mg/m <sup>3</sup>
Finland	OEL chemical category (FI)	Potential for cutaneous absorption
France	VLE (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
France	VME (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Greece	OEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Greece	OEL STEL (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Greece	OEL chemical category (GR)	skin - potential for cutaneous absorption
Hungary	AK-érték	0,1 mg/m <sup>3</sup>
Hungary	CK-érték	0,4 mg/m <sup>3</sup>
Hungary	OEL chemical category (HU)	Potential for cutaneous absorption
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Lithuania	TPRV (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Lithuania	OEL chemical category (LT)	Skin notation
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Norway	Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	0,3 mg/m <sup>3</sup> (value calculated)
Norway	OEL chemical category (NO)	Skin notation
Portugal	OEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Portugal	OEL STEL (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure
Romania	OEL TWA (mg/m <sup>3</sup> )	0,05 mg/m <sup>3</sup>
Romania	OEL STEL (mg/m <sup>3</sup> )	0,15 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Slovakia	OEL chemical category (SK)	Potential for cutaneous absorption
Spain	VLA-ED (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Spain	VLA-EC (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup>
Spain	OEL chemical category (ES)	skin - potential for cutaneous absorption
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (total dust)
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (total dust)
Sweden	OEL chemical category (SE)	Skin notation
Switzerland	KZGW (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (inhalable dust)
Switzerland	MAK (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (inhalable dust)
Switzerland	OEL chemical category (CH)	Skin notation
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (except Cyhexatin)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	0,2 mg/m <sup>3</sup> (except Cyhexatin)
United Kingdom	WEL chemical category	Potential for cutaneous absorption except Cyhexatin

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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.

Personal Protective Equipment

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



Materials for Protective Clothing

Chemically resistant materials and fabrics.

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 Hazards

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

Physical State	Liquid
Colour	White paste
Odour	None
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, Kinematic	No data available
Viscosity, Dynamic	No data available
Explosive Properties	No data available
Oxidising Properties	No data available
Explosive Limits	No data available

### 9.2. Other Information

VOC content < 1 %



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### 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

None expected under normal conditions of use.

### SECTION 11: Toxicological Information

#### 11.1. Information On Toxicological Effects

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

Zinc oxide (ZnO) (1314-13-2)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)	
LD50 Oral Rat	2463 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)	
LD50 Oral Rat	2295 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 1,49 mg/l/4h
ATE CLP (dust,mist)	1,5 mg/l/4h
Dibutyltin dilaurate (77-58-7)	
LD50 Oral	175 mg/kg
LD50 Dermal Rat	> 2 g/kg

Skin Corrosion/Irritation

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

Eye Damage/Irritation

Causes serious eye irritation.

Respiratory or Skin Sensitization

May cause an allergic skin reaction.

Germ Cell Mutagenicity

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

Carcinogenicity

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

Reproductive Toxicity

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

Specific Target Organ Toxicity  
(Single Exposure)

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

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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 Very toxic to aquatic life with long lasting effects.

Zinc oxide (ZnO) (1314-13-2)	
LC50 Fish 1	970 µg/l (780 ug Zn/L; Exposure time: 96 h - Species: Pimephales promelas)
LC50 Fish 2	1,793 mg/l (Exposure time: 96 h - Species: Zebrafish)
NOEC Chronic Fish	0,026 mg/l (Species: Jordanella floridae)
2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)	
EC50 Daphnia 1	120 mg/l (Exposure time: 48h - Species: Daphnia magna)
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)	
LC50 Fish 1	597 mg/l (Species: Danio rerio)
EC50 Daphnia 1	81 mg/l
ErC50 (Algae)	8,8 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
NOEC Chronic Fish	344 mg/l
NOEC Chronic Crustacea	35 mg/l
NOEC Chronic Algae	3,1 mg/l (Pseudokirchnerella subcapitata Exposure time: 96h)
Dibutyltin dilaurate (77-58-7)	
EC50 Daphnia 1	0,463 mg/l (Daphnia magna)

### 12.2. Persistence and Degradability

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Persistence and Degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative Potential

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Bioaccumulative potential	Not established.
Dibutyltin dilaurate (77-58-7)	
Log Pow	4,44

### 12.4. Mobility in Soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

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PBT: not yet assessed	
vPvB: not yet assessed	

### 12.6. Other Adverse Effects

Other Information Avoid release to the environment.

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### SECTION 13: Disposal Considerations

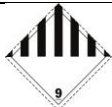


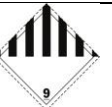
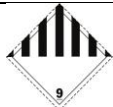
#### 13.1. Waste Treatment Methods

Product/Packaging Disposal Recommendations	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	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
<b>14.1. UN Number</b>				
3082	3082	3082	3082	3082
<b>14.2. UN Proper Shipping Name</b>				
ENVIRONMENTAL LY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ZINC OXIDE)	ENVIRONMENTAL LY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ZINC OXIDE)	ENVIRONMENTAL LY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ZINC OXIDE)	ENVIRONMENTAL LY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ZINC OXIDE)	ENVIRONMENTAL LY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ZINC OXIDE)
<b>14.3. Transport Hazard Class(Es)</b>				
9	9	9	9	9
				
<b>14.4. Packing Group</b>				
III	III	III	III	III
<b>14.5. Environmental Hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

#### 14.6. Special Precautions For User

No additional information available

#### 14.7. Transport in Bulk According to Annex II of MARPOL and The IBC Code

Not applicable

### SECTION 15: Regulatory Information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

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## Safety Data Sheet

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

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	28/08/2020
2	Hazards Identification	Modified	28/08/2020
3	Composition/information on ingredients	Modified	28/08/2020

Date of Preparation or Latest Revision 28/08/2020

Data Sources

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

Other Information

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

Full Text of H- and EUH-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity — Single exposure, Category 1
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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## Safety Data Sheet

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

H332	Harmful if inhaled.
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.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### 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 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

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 - Nevirsylinas 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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