CES-1104

Safety Data Sheet

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

Revision date: 11/07/2022 Date of issue: 22/08/2014 Version: 6.0

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

1.1. Product Identifier

Product form	Mixture
Product Name	CES-1104
Synonyms	Encapsulated Silicone
INCI Name	Dimethicone (and) Aqua (and) Glycerin (and) Pentylene glycol (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) Amodimethicone (and) Carbomer (and) Phenoxyethanol (and) Sodium Hydroxide (and) Disodium EDTA

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 Cosmetics, personal care products

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
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 [CLP]

Not classified

2.2. Label Elements

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

EUH-statements : EUH210 - Safety data sheet available on request

2.3. Other Hazards

Contains PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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]
1,2,3-Propanetriol	(CAS-No.) 56-81-5 (EC-No.) 200-289-5	20 - 30	Not classified
Pentane-1,2-diol	(CAS-No.) 5343-92-0 (EC-No.) 226-285-3	< 3	Eye Dam. 1, H318
2-Phenoxyethanol	(CAS-No.) 122-99-6 (EC-No.) 204-589-7 (EC Index-No.) 603-098-00-9	< 1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Dodecamethylcyclohexasiloxane	(CAS-No.) 540-97-6 (EC-No.) 208-762-8	< 1	Not classified
2-Propenoic acid, homopolymer	(CAS-No.) 9003-01-4 (EC-No.) 618-347-7	< 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	< 0,1	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product Identifier	Specific Concentration Limits
Sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	(0,5 ≤C < 2) Skin Irrit. 2, H315 (0,5 ≤C < 2) Eye Irrit. 2, H319 (2 ≤C < 5) Skin Corr. 1B, H314 (5 ≤C < 100) Skin Corr. 1A, H314

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. Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

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	None expected under normal conditions of use.
Symptoms/Effects After Inhalation	None under normal use.
Symptoms/Effects After Skin Contact	None under normal use.
Symptoms/Effects After Eye Contact	None under normal use.
Symptoms/Effects After Ingestion	Risk of ingestion is extremely unlikely.
Chronic Symptoms	None expected under normal conditions of use.

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media	Water spray, fog, carbon dioxide (CO_2), 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 Products in Case of Fire	Carbon oxides (CO, CO_2). Silicon oxides. Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapours. May produce explosive hydrogen gas on contact with incompatibilities or upon thermal decomposition.

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.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures	Avoid breathing (vapour, mist, spray). Avoid all contact with skin, eyes, or clothing.

6.1.1. For Non-Emergency Personnel

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.

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.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Precautions for Safe Handling	Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing 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.
Incompatible Materials	Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(S)

Cosmetics, personal care products

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

1,2,3-Propanetriol (56-81-5)		
Belgium	OEL TWA	10 mg/m³ (mist)
Croatia	GVI (OEL TWA) [1]	10 mg/m³
Czech Republic	PEL (OEL TWA)	10 mg/m³
Estonia	OEL TWA	10 mg/m³
Finland	HTP (OEL TWA) [1]	20 mg/m³
France	VME (OEL TWA)	10 mg/m³ (aerosol)
Germany	AGW (OEL TWA) [1]	200 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece	OEL TWA	10 mg/m³

Poland	NDS (OEL TWA)	10 mg/m³ (inhalable fraction)
Portugal	OEL TWA	10 mg/m³ (mist)
Slovakia	NPHV (OEL TWA) [1]	11 mg/m³
Slovenia	OEL TWA	200 mg/m³ (inhalable fraction)
Slovenia	OEL STEL	400 mg/m³ (inhalable fraction)
Spain	VLA-ED (OEL TWA) [1]	10 mg/m³ (mist)
Switzerland	KZGW (OEL STEL)	100 mg/m³ (inhalable dust)
Switzerland	MAK (OEL TWA) [1]	50 mg/m³ (inhalable dust)
United Kingdom	WEL TWA (OEL TWA) [1]	10 mg/m³ (mist)
United Kingdom	WEL STEL (OEL STEL)	30 mg/m³ (calculated-mist)

2-Phenoxyethanol (122-99-6)		
Austria	MAK (OEL TWA)	110 mg/m³
Austria	MAK (OEL TWA) [ppm]	20 ppm
Austria	MAK (OEL STEL)	110 mg/m³
Austria	MAK (OEL STEL) [ppm]	20 ppm
Austria	OEL C	110 mg/m³
Austria	OEL C [ppm]	20 ppm
Finland	HTP (OEL TWA) [1]	110 mg/m³
Finland	HTP (OEL TWA) [2]	20 ppm
Finland	HTP (OEL STEL)	290 mg/m³
Finland	HTP (OEL STEL) [ppm]	50 ppm
Finland	Chemical category	Potential for cutaneous absorption
Germany	AGW (OEL TWA) [1]	5,7 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	AGW (OEL TWA) [2]	1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Poland	NDS (OEL TWA)	230 mg/m³
Slovenia	OEL TWA	5,7 mg/m³
Slovenia	OEL TWA [ppm]	1 ppm
Slovenia	OEL STEL	5,7 mg/m³
Slovenia	OEL STEL [ppm]	1 ppm
Switzerland	KZGW (OEL STEL)	110 mg/m³ (aerosol, vapour)
Switzerland	KZGW (OEL STEL) [ppm]	20 ppm (aerosol, vapour)
Switzerland	MAK (OEL TWA) [1]	110 mg/m³ (aerosol, vapour)
Switzerland	MAK (OEL TWA) [2]	20 ppm (aerosol, vapour)

2-Propenoic acid, homopolymer (9003-01-4)		
Switzerland	KZGW (OEL STEL)	0,05 mg/m³ (interlaced-respirable dust)
Switzerland	MAK (OEL TWA) [1]	0,05 mg/m³ (interlaced, neutralized-respirable dust)

Sodium hydroxide (1310-73-2)

Austria	MAK (OEL TWA)	2 mg/m³ (inhalable fraction)
Austria	MAK (OEL STEL)	4 mg/m³ (inhalable fraction)
Bulgaria	OEL TWA	2 mg/m³ (alkaline aerosols)
Croatia	KGVI (OEL STEL)	2 mg/m³
Czech Republic	PEL (OEL TWA)	1 mg/m³
Denmark	OEL C	2 mg/m³
Estonia	OEL TWA	1 mg/m³
Estonia	OEL STEL	2 mg/m³
Finland	OEL C	2 mg/m³
France	VME (OEL TWA)	2 mg/m³
Greece	OEL TWA	2 mg/m³
Greece	OEL STEL	2 mg/m³
Hungary	AK (OEL TWA)	1 mg/m³
Hungary	CK (OEL STEL)	2 mg/m³
Ireland	OEL STEL	2 mg/m³
Latvia	OEL TWA	0,5 mg/m³
Lithuania	NRV (OEL C)	2 mg/m³
Norway	Takverdi (OEL C) [1]	2 mg/m³
Poland	NDS (OEL TWA)	0,5 mg/m³
Poland	NDSCh (OEL STEL)	1 mg/m³
Portugal	OEL C	2 mg/m³
Slovakia	NPHV (OEL TWA) [1]	2 mg/m³
Spain	VLA-EC (OEL STEL)	2 mg/m³
Sweden	NGV (OEL TWA)	1 mg/m³ (inhalable fraction)
Sweden	KTV (OEL STEL)	2 mg/m³ (inhalable fraction)
Switzerland	KZGW (OEL STEL)	2 mg/m³ (inhalable dust)
Switzerland	MAK (OEL TWA) [1]	2 mg/m³ (inhalable dust)
United Kingdom	WEL STEL (OEL STEL)	2 mg/m³

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.

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	Colourless to yellow tint
Odour	Characteristic
Odour Threshold	No data available
pH	5,2 – 6,2
Evaporation Rate	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	> 93 °C (199,4 °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	Water: Dispersible Ethanol: Dispersible
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 %

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
Will decompose above 150 °C (>300° F) releasing formaldehyde vapours. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation. May produce explosive hydrogen gas on contact with incompatibilities or upon thermal decomposition.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

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

1,2,3-Propanetriol (56-81-5)	
LD50 Oral Rat	12600 mg/kg
LD50 Dermal Rabbit	> 10 g/kg
LC50 Inhalation Rat	> 2,75 mg/l/4h

Pentane-1,2-diol (5343-92-0)	
LD50 Oral Rat	12700 mg/kg
LD50 Dermal Rat	> 2000 mg/kg

2-Phenoxyethanol (122-99-6)	
LD50 Oral Rat	1850 mg/kg
LD50 Dermal Rabbit	5 ml/kg
ATE CLP (dermal)	5547 mg/kg bodyweight

2-Propenoic acid, homopolymer (9003-01-4)	
LD50 Oral Rat	> 1000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	1,71 mg/l/4h
ATE CLP (oral)	500 mg/kg bodyweight

Sodium hydroxide (1310-73-2)	
LD50 Oral Rat	325 mg/kg

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

Skin Corrosion/Irritation: Not classified (Based on available data, the classification criteria are not met)
pH: 5,2 – 6,2

Eye Damage/Irritation: Not classified (Ocular irritation testing on product has shown the irritation potential to be non to minimal (ET50 value of >120 minutes).)
pH: 5,2 – 6,2

Respiratory or Skin Sensitization: Not classified (Based on available data, the classification criteria are not met)

Germ Cell Mutagenicity: Not classified (Based on available data, the classification criteria are not met)

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

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

Specific Target Organ Toxicity (Single Exposure): Not classified (Based on available data, the classification criteria are not met)

Specific Target Organ Toxicity (Repeated Exposure): Not classified (Based on available data, the classification criteria are not met)

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

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General: Not classified.

1,2,3-Propanetriol (56-81-5)	
LC50 Fish 1	54000 (51000 – 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

Pentane-1,2-diol (5343-92-0)	
LC50 Fish 1	> 1096 mg/l (Exposure time: 96 h - Species: Danio rerio [static])

2-Phenoxyethanol (122-99-6)	
LC50 Fish 1	344 mg/l
EC50 - Crustacea [1]	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

2-Propenoic acid, homopolymer (9003-01-4)	
LC50 Fish 1	580 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

Sodium hydroxide (1310-73-2)	
LC50 Fish 1	45,4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	40 mg/l

12.2. Persistence and Degradability

CES-1104	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

CES-1104	
Bioaccumulative potential	Not established.

1,2,3-Propanetriol (56-81-5)	
BCF Fish 1	(no bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-1,76

2-Phenoxyethanol (122-99-6)	
Partition coefficient n-octanol/water (Log Pow)	1,13 (at 25 °C)

12.4. Mobility in Soil

No additional information available

12.5. Results of PBT and vPvB assessment

Dodecamethylcyclohexasiloxane (540-97-6)
This substance meets the PBT criteria of REACH regulation, annex XIII
This substance meets the vPvB criteria of REACH regulation, annex XIII

12.6. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Product/Packaging Disposal Recommendations	Dispose of contents/container in accordance with local, regional, national, and international regulations.
Ecology - Waste Materials	Avoid release to the environment.

SECTION 14: Transport Information

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

14.1. UN Number
Not regulated for transport
14.2. UN Proper Shipping Name
Not regulated for transport
14.3. Transport Hazard Class(Es)
Not regulated for transport
14.4. Packing Group
Not regulated for transport
14.5. Environmental Hazards
Not regulated for transport

14.6. Special Precautions For User

No additional information available

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

Not applicable

SECTION 15: Regulatory Information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains a substance on the REACH candidate list in concentration ≥ 0.1% or with a lower specific limit: Dodecamethylcyclohexasiloxane (D6) (EC 208-762-8, CAS 540-97-6)
Contains no REACH Annex XIV substances

15.1.2. National Regulations

No additional information available

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16: Other Information

Indication of Changes

Section	Section Header	Change	Date Changed
1	Identification of the Substance/mixture and of the Company/Undertaking	Modified	30/04/2021
3	Composition/information on ingredients	Modified	30/04/2021
5	Firefighting measures	Modified	30/04/2021
8	Exposure controls/personal protection	Modified	30/04/2021
11	Toxicological information	Modified	30/04/2021

Date of Preparation or Latest Revision: 11/07/2022

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
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful 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 - Najwyzsze Dopuszczalne Stezenie
NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe
NDSP - Najwyzsze 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

The information provided in this Safety Data Sheet (SDS) was prepared based on data believed to be accurate as of the date of this SDS. TO THE GREATEST EXTENT PERMITTED BY LAW, NUSIL TECHNOLOGY LLC AND ITS AFFILIATED COMPANIES ("NUSIL") EXPRESSLYDISCLAIMS ANY AND ALL REPRESENTATIONS AND WARRANTIES REGARDING THE INFORMATION CONTAINED HEREIN INCLUDING, WITHOUT LIMITATION, AS TO ACCURACY, COMPLETENESS, FITNESS FOR PURPOSE OR USE, MERCHANTABILITY, NON-INFRINGEMENT, PERFORMANCE, SAFETY, SUITABILITY AND STABILITY. This SDS is intended as a guide to the appropriate use, handling, storage and disposal of the product to which it relates by properly trained personnel, and is not intended to be comprehensive. Users of NuSil's products are advised to perform their own tests and to exercise their own judgment to determine the safety, suitability and appropriate use, handling, storage and disposal of each product and product combination for their own purposes and uses. TO THE GREATEST EXTENT PERMITTED BY LAW, NUSIL DISCLAIMS LIABILITY FOR, AND BY USING NUSIL'S PRODUCTS PURCHASER AGREES THAT UNDER NO CIRCUMSTANCES SHALL NUSIL BE LIABLE FOR, SPECIAL, INDIRECT, INCIDENTAL , PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY TYPE OR KIND, INCLUDING WITHOUT LIMITATION, FOR LOSS OF PROFITS, REPUTATIONAL DAMAGE, PRODUCT RECALL OR BUSINESS INTERRUPTION.