



#### Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date: 16/03/2020 Date of issue: 05/12/2014

Version: 4.0

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

#### 1.1. Product Identifier

Product form Mixture
Product Name R-1130

Synonyms Adhesive Silicone

#### 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]

Eye Irrit. 2 H319 Skin Sens. 1 H317 STOT RE 2 H373

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Full text of hazard classes and H-statements: see section 16

#### 2.2. Label Elements

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

Hazard Pictograms (CLP)



GHS07 GH

Signal Word (CLP) Warning

Hazardous Ingredients 2-Butanone, O,O',O"-(methylsilylidyne)trioxime; N-[3-

(TrimethoxysilyI)propyI]-1,2-ethanediamine; DibutyItin dilaurate

Hazard Statements (CLP) H317 - May cause an allergic skin reaction.

EN (English)

H319 - Causes serious eye irritation.

H373 - May cause damage to organs (blood) through

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#### Precautionary Statements (CLP)

prolonged or repeated exposure (oral).

P260 - Do not breathe vapours, mist, spray

P264 - Wash hands, forearms, exposed areas thoroughly after handling

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear eye protection, protective clothing, protective gloves

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.

P314 - Get medical advice/attention if you feel unwell.

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.

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]
2-Butanone, O,O',O"- (methylsilylidyne)trioxime	(CAS-No.) 22984-54-9 (EC-No.) 245-366-4	< 15	Eye Irrit. 2, H319 Skin Sens. 1B, H317 STOT RE 2, H373
N-[3-(TrimethoxysilyI)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
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 When symptoms occur: go into open air and ventilate

suspected area. Obtain medical attention if breathing difficulty Inhalation

persists.

First-Aid Measures After Skin Remove contaminated clothing. Immediately drench affected

area with water for at least 15 minutes. Obtain medical

attention if irritation/rash develops or persists.

First-Aid Measures After Eye 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 Do NOT induce vomiting. Rinse mouth. Obtain medical

Ingestion attention.

#### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Effects Causes serious eye irritation. Skin sensitisation. May cause

damage to organs through prolonged or repeated exposure.

Symptoms/Effects After Prolonged exposure may cause irritation.

Inhalation

Symptoms/Effects After Skin

Contact

Contact

Contact

Symptoms/Effects After Eye Redness, pain, swelling, itching, burning, tearing, and blurred

Contact

Symptoms/Effects After

Ingestion

vision.

Ingestion may cause adverse effects.

May cause an allergic skin reaction.

Chronic Symptoms May cause damage to organs (blood) through prolonged or

repeated exposure (oral).

#### 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

Not considered flammable but may burn at high temperatures. Fire Hazard

**Explosion Hazard** Product is not explosive.

Hazardous reactions will not occur under normal conditions. Reactivity Hazardous Decomposition Silicon oxides. Carbon oxides (CO, CO<sub>2</sub>). Nitrogen compounds.

Products in Case of Fire Formaldehyde. Oxides of tin.

**Advice for Firefighters** 

Precautionary Measures Fire Exercise caution when fighting any chemical fire.

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Firefighting Instructions

Use water spray or fog for cooling exposed containers. Do not

allow run-off from fire fighting to enter drains or water sources.

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 Do not get in eyes, on skin, or on clothing. Do not breathe

vapor, mist or spray.

6.1.1. For Non-Emergency Personnel

Protective Equipment Use appropriate personal protective equipment (PPE). Emergency Procedures Evacuate unnecessary personnel. 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. Notify authorities if liquid enters sewers or 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.

Contact competent authorities after a spill. Transfer spilled

material to a suitable container for disposal.

#### 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

**Processed** 

Additional Hazards When When heated, material emits irritating fumes. Any proposed use

of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions

are established and maintained.

Precautions for Safe Handling Obtain special instructions before use. Do not handle until all

safety precautions have been read and understood. Do not breathe vapours, mist, spray. 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.

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.

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Storage Conditions Keep container closed when not in use. Keep/Store away from

direct sunlight, extremely high or low temperatures and

incompatible materials. Store in a dry, cool place. 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

Austria MAK (mg/m³) 0,1 mg/m³ (except tri-n-Butyltin compounds-inhalable fraction)  Austria MAK Short time value (ng/m²) (except Tri-n-butyltin compounds-inhalable fraction)  Austria OEL chemical category (AT) Skin notation except Tri-n-butyltin compounds  Belgium Limit value (mg/m²) 0,1 mg/m³  Belgium Short time value (mg/m²) 0,2 mg/m³  Belgium OEL chemical category (BE) Skin  Bulgarria OEL TWA (mg/m²) 0,1 mg/m³  Croatia GVI (granična vrijednost izloženosti) (mg/m²)  Croatia KGVI (kratkotrajna granična vrijednost vrijednost izloženosti) (mg/m²)  Czech Republic Expozični limity (PEL) (mg/m²)  Czech Republic OEL chemical category (CZ) Potential for cutaneous absorption  Denmark Grænseværdie (langvarig) (ng/m²) (2,1 mg/m³ (except Tri-n-butyltin compounds)  Estonia OEL TWA (mg/m³) 0,1 mg/m³ (except Tri-n-butyltin compounds)  Estonia OEL STEL (mg/m²) 0,1 mg/m³  Estonia OEL STEL (mg/m²) 0,2 mg/m³  Estonia OEL STEL (mg/m²) 0,2 mg/m³  Finland HTP-arvo (8h) (mg/m³) 0,1 mg/m³  Finland HTP-arvo (15 min) 0,3 mg/m³  Finland HTP-arvo (15 min) 0,3 mg/m³  France VME (mg/m²) 0,1 mg/m³  Greece OEL TWA (mg/m²) 0,2 mg/m³  France VME (mg/m²) 0,2 mg/m³  France VME (mg/m²) 0,1 mg/m³  Greece OEL TWA (mg/m²) 0,1 mg/m³  Greece OEL TWA (mg/m²) 0,2 mg/m³  France VME (mg/m²) 0,2 mg/m³  France VME (mg/m²) 0,1 mg/m³  Greece OEL TWA (mg/m²) 0,2 mg/m³  France VME (mg/m²) 0,2 mg/m³  France OEL Chemical category (GR) skin - potential for cutaneous absorption ubsorption obsorption OEL chemical category (GR) skin - potential for cutaneous absorption OEL chemical category (GR) skin - potential for cutaneous absorption OEL chemical category (HU) Potential for cutaneous absorption Ireland OEL (B hours ref) (mg/m²) 0,1 mg/m³	Tin organic compound	s	
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izloženosti) (mg/m³)  Croatia  KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)  Czech Republic  Expoziční limity (PEL) (mg/m³)  O,1 mg/m³  O,1 mg/m³  Czech Republic  OEL chemical category (CZ)  Potential for cutaneous absorption  Denmark  Grænseværdie (langvarig) (mg/m³)  (mg/m³)  Estonia  OEL TWA (mg/m³)  O,1 mg/m³  Estonia  OEL STEL (mg/m³)  O,2 mg/m³  Estonia  OEL chemical category (ET)  Skin notation  Finland  HTP-arvo (8h) (mg/m³)  O,1 mg/m³  Finland  OEL chemical category (FI)  Potential for cutaneous absorption  OZ mg/m³  France  VIE (mg/m³)  O,2 mg/m³  O,1 mg/m³  O,1 mg/m³  Greece  OEL TWA (mg/m³)  O,1 mg/m³  O,2 mg/m³  France  VME (mg/m³)  O,1 mg/m³  O,1 mg/m³  Greece  OEL TWA (mg/m³)  O,1 mg/m³  Orecce  OEL STEL (mg/m³)  O,1 mg/m³  O,1 mg/m³  O,1 mg/m³  Orecce  OEL STEL (mg/m³)  O,1 mg/m³  O,1 mg/m³  Orecce  OEL STEL (mg/m³)  O,2 mg/m³  O,1 mg/m³  Orecce  OEL STEL (mg/m³)  O,1 mg/m³  O,2 mg/m³  Orecce  OEL STEL (mg/m³)  O,2 mg/m³  Orecce  OEL Chemical category (GR)  skin - potential for cutaneous absorption  Hungary  AK-érték  O,1 mg/m³  Hungary  OEL chemical category (HU)  Potential for cutaneous absorption	Bulgaria	OEL TWA (mg/m³)	0,1 mg/m³
vrijednost izloženosti) (mg/m³)  Czech Republic Expoziční limity (PEL) (mg/m³) 0,1 mg/m³  Czech Republic OEL chemical category (CZ) Potential for cutaneous absorption  Denmark Grænseværdie (langvarig) 0,1 mg/m³ (except Tri-n-butyltin compounds)  Estonia OEL TWA (mg/m³) 0,1 mg/m³  Estonia OEL STEL (mg/m³) 0,2 mg/m³  Estonia OEL chemical category (ET) Skin notation  Finland HTP-arvo (8h) (mg/m³) 0,3 mg/m³  Finland HTP-arvo (15 min) 0,3 mg/m³  Finland OEL chemical category (FI) Potential for cutaneous absorption  France VLE (mg/m³) 0,1 mg/m³  Greece OEL TWA (mg/m³) 0,1 mg/m³  Greece OEL TWA (mg/m³) 0,1 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Greece OEL STEL (mg/m³) 0,1 mg/m³  Greece OEL STEL (mg/m³) 0,1 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Greece OEL STEL (mg/m³) 0,1 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Greece OEL Chemical category (GR) skin - potential for cutaneous absorption  Hungary AK-érték 0,1 mg/m³  Hungary OEL chemical category (HU) Potential for cutaneous absorption	Croatia		0,1 mg/m³ (except Cyhexatin)
Czech RepublicOEL chemical category (CZ)Potential for cutaneous absorptionDenmarkGrænseværdie (langvarig) (mg/m³)0,1 mg/m³ (except Tri-n-butyltin compounds)EstoniaOEL TWA (mg/m³)0,1 mg/m³EstoniaOEL STEL (mg/m³)0,2 mg/m³EstoniaOEL chemical category (ET)Skin notationFinlandHTP-arvo (8h) (mg/m³)0,1 mg/m³FinlandHTP-arvo (15 min)0,3 mg/m³FinlandOEL chemical category (FI)Potential for cutaneous absorptionFranceVLE (mg/m³)0,2 mg/m³GreeceOEL TWA (mg/m³)0,1 mg/m³GreeceOEL STEL (mg/m³)0,2 mg/m³GreeceOEL STEL (mg/m³)0,2 mg/m³GreeceOEL chemical category (GR)skin - potential for cutaneous absorptionHungaryAK-érték0,1 mg/m³HungaryCK-érték0,4 mg/m³HungaryOEL chemical category (HU)Potential for cutaneous absorption	Croatia	· · · · · · · · · · · · · · · · · · ·	0,2 mg/m³ (except Cyhexatin)
Denmark Grænseværdie (langvarig) (mg/m³) Compounds)  Estonia OEL TWA (mg/m³) O,1 mg/m³  Estonia OEL STEL (mg/m³) OEL chemical category (ET) Skin notation Finland HTP-arvo (8h) (mg/m³) O,1 mg/m³  Finland HTP-arvo (15 min) Finland OEL chemical category (FI) Potential for cutaneous absorption France VLE (mg/m³) O,1 mg/m³  Greece OEL STEL (mg/m³) O,1 mg/m³  Greece OEL STEL (mg/m³) O,2 mg/m³  Greece OEL STEL (mg/m³) O,1 mg/m³  Greece OEL STEL (mg/m³) O,2 mg/m³  Greece OEL chemical category (GR) skin - potential for cutaneous absorption  Hungary AK-érték O,1 mg/m³  Hungary OEL chemical category (HU) Potential for cutaneous absorption	Czech Republic	Expoziční limity (PEL) (mg/m³)	0,1 mg/m³
Estonia OEL TWA (mg/m³) 0,1 mg/m³ Estonia OEL STEL (mg/m³) 0,2 mg/m³ Estonia OEL chemical category (ET) Skin notation Finland HTP-arvo (8h) (mg/m³) 0,1 mg/m³ Finland HTP-arvo (15 min) 0,3 mg/m³ Finland OEL chemical category (FI) Potential for cutaneous absorption France VLE (mg/m³) 0,2 mg/m³ France VME (mg/m³) 0,1 mg/m³ Greece OEL TWA (mg/m³) 0,1 mg/m³ Greece OEL STEL (mg/m³) 0,2 mg/m³ Greece OEL STEL (mg/m³) 0,2 mg/m³ Greece OEL STEL (mg/m³) 0,1 mg/m³ Greece OEL Chemical category (GR) skin - potential for cutaneous absorption Hungary AK-érték 0,1 mg/m³ Hungary OEL chemical category (HU) Potential for cutaneous absorption	Czech Republic	OEL chemical category (CZ)	Potential for cutaneous absorption
Estonia OEL TWA (mg/m³) 0,1 mg/m³  Estonia OEL STEL (mg/m³) 0,2 mg/m³  Estonia OEL chemical category (ET) Skin notation  Finland HTP-arvo (8h) (mg/m³) 0,1 mg/m³  Finland HTP-arvo (15 min) 0,3 mg/m³  Finland OEL chemical category (FI) Potential for cutaneous absorption  France VLE (mg/m³) 0,1 mg/m³  France VME (mg/m³) 0,1 mg/m³  Greece OEL TWA (mg/m³) 0,1 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Hungary AK-érték 0,1 mg/m³  Hungary OEL chemical category (HU) Potential for cutaneous absorption	Denmark	Grænseværdie (langvarig)	0,1 mg/m³ (except Tri-n-butyltin
Estonia OEL STEL (mg/m³) 0,2 mg/m³ Estonia OEL chemical category (ET) Skin notation Finland HTP-arvo (8h) (mg/m³) 0,1 mg/m³ Finland HTP-arvo (15 min) 0,3 mg/m³ Finland OEL chemical category (FI) Potential for cutaneous absorption France VLE (mg/m³) 0,2 mg/m³ France VME (mg/m³) 0,1 mg/m³ Greece OEL TWA (mg/m³) 0,1 mg/m³ Greece OEL STEL (mg/m³) 0,2 mg/m³ Greece OEL STEL (mg/m³) 0,2 mg/m³ Hungary AK-érték 0,1 mg/m³ Hungary OEL chemical category (HU) Potential for cutaneous absorption		(mg/m³)	compounds)
Estonia OEL chemical category (ET) Skin notation  Finland HTP-arvo (8h) (mg/m³) 0,1 mg/m³  Finland HTP-arvo (15 min) 0,3 mg/m³  Finland OEL chemical category (FI) Potential for cutaneous absorption  France VLE (mg/m³) 0,2 mg/m³  France VME (mg/m³) 0,1 mg/m³  Greece OEL TWA (mg/m³) 0,1 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Hungary AK-érték 0,1 mg/m³  Hungary OEL chemical category (HU) Potential for cutaneous absorption	Estonia	OEL TWA (mg/m³)	0,1 mg/m³
Finland HTP-arvo (8h) (mg/m³) O,1 mg/m³ Finland HTP-arvo (15 min) OEL chemical category (FI) Potential for cutaneous absorption France VLE (mg/m³) O,2 mg/m³ France VME (mg/m³) O,1 mg/m³ Greece OEL TWA (mg/m³) O,2 mg/m³ O,1 mg/m³ Greece OEL STEL (mg/m³) O,2 mg/m³ O,2 mg/m³ Greece OEL STEL (mg/m³) O,2 mg/m³ O,2 mg/m³ Greece OEL STEL (mg/m³) OEL chemical category (GR) Hungary AK-érték O,1 mg/m³ Hungary OEL chemical category (HU) Potential for cutaneous absorption	Estonia	OEL STEL (mg/m³)	0,2 mg/m³
Finland HTP-arvo (15 min) OEL chemical category (FI) Potential for cutaneous absorption VLE (mg/m³) O,2 mg/m³ France VME (mg/m³) O,1 mg/m³ Greece OEL TWA (mg/m³) O,2 mg/m³ O,1 mg/m³ O,1 mg/m³ Greece OEL STEL (mg/m³) O,2 mg/m³ O,2 mg/m³  Greece OEL STEL (mg/m³) O,2 mg/m³ O,2 mg/m³ OFL chemical category (GR) Skin - potential for cutaneous absorption Hungary AK-érték O,1 mg/m³ Hungary OEL chemical category (HU) Potential for cutaneous absorption	Estonia	OEL chemical category (ET)	Skin notation
Finland OEL chemical category (FI) Potential for cutaneous absorption  France VLE (mg/m³) O,2 mg/m³  O,1 mg/m³  Greece OEL TWA (mg/m³) O,2 mg/m³  OEL chemical category (GR) Skin - potential for cutaneous absorption  Hungary Hungary CK-érték O,1 mg/m³  OEL chemical category (HU) Potential for cutaneous absorption	Finland	HTP-arvo (8h) (mg/m³)	0,1 mg/m³
France VLE (mg/m³) 0,2 mg/m³  France VME (mg/m³) 0,1 mg/m³  Greece OEL TWA (mg/m³) 0,1 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Greece OEL chemical category (GR) skin - potential for cutaneous absorption  Hungary AK-érték 0,1 mg/m³  Hungary CK-érték 0,4 mg/m³  Hungary OEL chemical category (HU) Potential for cutaneous absorption	Finland	HTP-arvo (15 min)	0,3 mg/m³
France VME (mg/m³) 0,1 mg/m³  Greece OEL TWA (mg/m³) 0,1 mg/m³  Greece OEL STEL (mg/m³) 0,2 mg/m³  Greece OEL chemical category (GR) skin - potential for cutaneous absorption  Hungary AK-érték 0,1 mg/m³  Hungary CK-érték 0,4 mg/m³  Hungary OEL chemical category (HU) Potential for cutaneous absorption	Finland	OEL chemical category (FI)	Potential for cutaneous absorption
GreeceOEL TWA (mg/m³)0,1 mg/m³GreeceOEL STEL (mg/m³)0,2 mg/m³GreeceOEL chemical category (GR)skin - potential for cutaneous absorptionHungaryAK-érték0,1 mg/m³HungaryCK-érték0,4 mg/m³HungaryOEL chemical category (HU)Potential for cutaneous absorption	France	VLE (mg/m³)	0,2 mg/m³
Greece OEL STEL (mg/m³) 0,2 mg/m³  Greece OEL chemical category (GR) skin - potential for cutaneous absorption  Hungary AK-érték 0,1 mg/m³  Hungary CK-érték 0,4 mg/m³  Hungary OEL chemical category (HU) Potential for cutaneous absorption	France	VME (mg/m³)	0,1 mg/m³
Greece OEL chemical category (GR) skin - potential for cutaneous absorption  Hungary AK-érték 0,1 mg/m³  Hungary CK-érték 0,4 mg/m³  Hungary OEL chemical category (HU) Potential for cutaneous absorption	Greece	OEL TWA (mg/m³)	0,1 mg/m³
Hungary AK-érték 0,1 mg/m³ Hungary CK-érték 0,4 mg/m³ Hungary OEL chemical category (HU) Potential for cutaneous absorption	Greece	OEL STEL (mg/m³)	0,2 mg/m³
Hungary CK-érték 0,4 mg/m³ Hungary OEL chemical category (HU) Potential for cutaneous absorption	Greece	OEL chemical category (GR)	· · · · · · · · · · · · · · · · · · ·
Hungary OEL chemical category (HU) Potential for cutaneous absorption	Hungary	AK-érték	0,1 mg/m³
Hungary OEL chemical category (HU) Potential for cutaneous absorption	Hungary	CK-érték	0,4 mg/m³
		OEL chemical category (HU)	
		OEL (8 hours ref) (mg/m³)	0,1 mg/m³

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Ireland	OEL (15 min ref) (mg/m3)	0,2 mg/m³
Lithuania	IPRV (mg/m³)	0,1 mg/m³
Lithuania	TPRV (mg/m³)	0,2 mg/m³
Lithuania	OEL chemical category (LT)	Skin notation
Norway	Grenseverdier (AN) (mg/m³)	0,1 mg/m³
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	0,3 mg/m³ (value calculated)
Norway	OEL chemical category (NO)	Skin notation
Portugal	OEL TWA (mg/m³)	0,1 mg/m³
Portugal	OEL STEL (mg/m³)	0,2 mg/m³
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure
Romania	OEL TWA (mg/m³)	0,05 mg/m³
Romania	OEL STEL (mg/m³)	0,15 mg/m³
Slovakia	NPHV (priemerná) (mg/m³)	0,1 mg/m³
Slovakia	NPHV (Hraničná) (mg/m³)	0,2 mg/m³
Slovakia	OEL chemical category (SK)	Potential for cutaneous absorption
Spain	VLA-ED (mg/m³)	0,1 mg/m³
Spain	VLA-EC (mg/m³)	0,2 mg/m³
Spain	OEL chemical category (ES)	skin - potential for cutaneous absorption
Sweden	nivågränsvärde (NVG) (mg/m³)	0,1 mg/m³ (total dust)
Sweden	kortidsvärde (KTV) (mg/m³)	0,2 mg/m³ (total dust)
Sweden	OEL chemical category (SE)	Skin notation
Switzerland	KZGW (mg/m³)	0,2 mg/m³ (inhalable dust)
Switzerland	MAK (mg/m³)	0,1 mg/m³ (inhalable dust)
Switzerland	OEL chemical category (CH)	Skin notation
United Kingdom	WEL TWA (mg/m³)	0,1 mg/m³ (except Cyhexatin)
United Kingdom	WEL STEL (mg/m³)	0,2 mg/m³ (except Cyhexatin)
United Kingdom	WEL chemical category	Potential for cutaneous absorption except Cyhexatin

#### 8.2. Exposure Controls

Appropriate Engineering Ensure adequate ventilation, especially in confined areas.

Controls Emergency eye wash fountains and safety showers should be

available in the immediate vicinity of any potential exposure.

Ensure all national/local regulations are observed.

Personal Protective Equipment Protective goggles. Gloves. Protective clothing. Insufficient

ventilation: wear respiratory protection.









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Materials for Protective Clothing

Hand Protection
Eye Protection

Skin and Body Protection

Chemically resistant materials and fabrics.

Wear protective gloves. Chemical safety goggles.

Wear suitable protective clothing.

Wedi suitable prof

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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 Translucent Odour Characteristic Odour Threshold No data available Hq 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) No data available Solubility Partition Coefficient n-Octanol/Water No data available Viscosity, Kinematic No data available Viscosity, Dynamic No data available **Explosive Properties** No data available Oxidising Properties No data available

9.2. Other Information

VOC Content < 1 %

#### **SECTION 10: Stability and Reactivity**

#### 10.1. Reactivity

**Explosive Limits** 

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.

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No data available

#### 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.

#### **SECTION 11: Toxicological Information**

#### 11.1. Information On Toxicological Effects

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

•	,
2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)	
LD50 Oral Rat	2463 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
N-[3-(TrimethoxysilyI)propyI]-1,2-et	hanediamine (1760-24-3)
LD50 Oral Rat	2295 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 1,49 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)
Eve Damage/Irritation	Causes serious eve irritation

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)

Not classified (Based on available data, the classification Carcinogenicity

criteria are not met)

Reproductive Toxicity Not classified (Based on available data, the classification

criteria are not met)

criteria are not met)

Specific Target Organ Toxicity

(Single Exposure)

Specific Target Organ Toxicity

(Repeated Exposure) Aspiration Hazard

May cause damage to organs (blood) through prolonged or repeated exposure (oral).

Not classified (Based on available data, the classification

Not classified (Based on available data, the classification

criteria are not met)

## **SECTION 12: Ecological Information**

#### 12.1. Toxicity

Not classified. Ecology - General

2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)			
EC50 Daphnia 1	120 mg/l (Exposure time: 48h - Species: Daphnia magna)		
N-[3-(TrimethoxysilyI)propyI]-1,2-et	N-[3-(TrimethoxysilyI)propyI]-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		

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N-[3-(TrimethoxysilyI)propyI]-1,2-ethanediamine (1760-24-3)		
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

R-1130	•
Persistence and Degradability	Not established.

#### 12.3. Bioaccumulative Potential

R-1130		
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

No additional information available

#### 12.6. Other Adverse Effects

Other Information Avoid release to the environment.

#### **SECTION 13: Disposal Considerations**

#### 13.1. Waste Treatment Methods

Product/Packaging Disposal Dispose of contents/container in accordance with local,

Recommendations regional, national, and international regulations.

Additional Information Container may remain hazardous when empty. Continue to

observe all precautions.

Ecology - Waste Materials Avoid release to the environment.

#### **SECTION 14: Transport Information**

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

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# **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 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	Modified	16/03/2020
	company/undertaking		

Date of Preparation or Latest Revision

Data Sources

16/03/2020

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.

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H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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

FU - Furopean 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

C50 - 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

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 Prograi

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 TFL 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

VMF - Valeur Limite De Movenne Exposition

vPvB - Very Persistent and Very Bioaccumulative

WEL - Workplace Exposure Limit WGK - Wassergefährdungsklasse

Nusil FU GHS SDS

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