

## Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Article 31, Annex II, as amended by Commission Regulation (EU) 2020/878

### KERAKOVER KOMPACT NEW

Date of first edition: 9/6/2022

Safety Data Sheet dated 21/04/2026

version 3

---

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade name: KERAKOVER KOMPACT NEW

Trade code: 001029025 01 .012X

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Paints/coatings - Decorative

Uses advised against: All uses other than recommended ones

### 1.3. Details of the supplier of the safety data sheet

Company: KERAKOLL S.p.A.

Via dell'Artigianato, 9

41049 Sassuolo (MODENA) - ITALY

Tel.+39 0536 816511 Fax. +39 0536816581

safety@kerakoll.com

### 1.4. Emergency telephone number

European emergency phone number 112

Ireland Emergency medical information: (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland.

Members of the public Number (8 am-10 pm): +353 (0)1 809 2166

Healthcare professional telephone Number (24hrs): +353 (0)1 809 2566

Malta In case of emergency call: +356 2395 2000 (24h)

---

## SECTION 2: Hazards identification



### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

Skin Sens. 1A May cause an allergic skin reaction.

Aquatic Chronic 3 Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

#### Regulation (EC) No 1272/2008 (CLP):

#### Hazard pictograms and Signal Word



Warning

#### Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P501 Dispose of contents/container in accordance with applicable regulations.

## Contains

2-octyl-2H-isothiazol-3-one

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

2-methylisothiazol-3(2H)-one

4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

### Dir. 2004/42/EC (VOC directive)

Exterior walls of mineral substrate

EU limit value for this product (cat. A/c): 40 g/l

This product contains max 0.86 g/l VOC.

### Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards: Contains biocidal product: C(M)IT/MIT (3:1); IPBC; OIT; BIT; DCOIT; Terbutryn; MIT; The product is identified as an article treated pursuant to art. 58 of Regulation (EU) no. 528/2012 and subsequent amendments. Possible skin exposure must be avoided. Protective gloves and work clothes are required. Avoid releasing product into the environment. When washing work equipment, water must not be dispersed in the soil or on surface water

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Mixture identification: KERAKOVER KOMPACT NEW

### Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
$\geq 0.1$ - $< 0.15$ %	Quartz	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372	
$< 0.036$ %	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	CAS:55406-53-6 EC:259-627-5 Index:616-212-00-7	Acute Tox. 2, H330; Acute Tox. 4, H302; STOT RE 1, H372; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:10, M-Acute:10  Acute Toxicity Estimate : ATE - Inhalation (Dust/mist) : 0.17 mg/l	
$< 0.036$ %	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Acute Tox. 2, H330; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:1, M-Acute:1  Specific Concentration Limits: C $\geq 0.036\%$ : Skin Sens. 1A H317	
$< 0.036$ %	2-octyl-2H-isothiazol-3-one	CAS:26530-20-1 EC:247-761-7 Index:613-112-00-5	Acute Tox. 2, H330; Acute Tox. 3, H311; Acute Tox. 3, H301; Skin Corr. 1, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Corrosive to the respiratory tract., M-Chronic:100, M-Acute:100  Specific Concentration Limits:	

			C ≥ 0.0015%: Skin Sens. 1A H317
			Acute Toxicity Estimate: ATE - Oral: 125mg/kg bw ATE - Dermal: 311mg/kg bw
<0.01 %	Terbutryn	CAS:886-50-0 EC:212-950-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317; Acute Tox. 4, H302, M-Chronic:100, M-Acute:100  Specific Concentration Limits: C ≥ 3%: Skin Sens. 1B H317
<0.01 %	2-methylisothiazol-3(2H)-one	CAS:2682-20-4 EC:220-239-6 Index:613-326-00-9	Acute Tox. 2, H330; Acute Tox. 3, H301; Acute Tox. 3, H311; Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:1, M-Acute:10, EUH071  Specific Concentration Limits: C ≥ 0.0015%: Skin Sens. 1A H317
<0.01 %	4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)	CAS:64359-81-5 EC:264-843-8 Index:613-335-00-8	Acute Tox. 2, H330; Acute Tox. 4, H302; Skin Corr. 1, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:100, M-Acute:100, EUH071  Specific Concentration Limits: 0.025% ≤ C < 5%: Skin Irrit. 2 H315 0.025% ≤ C < 3%: Eye Irrit. 2 H319 C ≥ 0.0015%: Skin Sens. 1A H317  Acute Toxicity Estimate: ATE - Oral: 567mg/kg bw ATE - Inhalation (Dust/mist): 0.16mg/l
<0.0015 %	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS:55965-84-9 Index:613-167-00-5	Acute Tox. 2, H330; Acute Tox. 2, H310; Acute Tox. 3, H301; Skin Corr. 1C, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:100, M-Acute:100, EUH071  Specific Concentration Limits: C ≥ 0.6%: Skin Corr. 1C H314 0.06% ≤ C < 0.6%: Skin Irrit. 2 H315 C ≥ 0.6%: Eye Dam. 1 H318 0.06% ≤ C < 0.6%: Eye Irrit. 2 H319 C ≥ 0.0015%: Skin Sens. 1A H317

---

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

#### **4.2. Most important symptoms and effects, both acute and delayed**

N.A.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

---

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

#### **5.2. Special hazards arising from the substance or mixture**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### **5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

---

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **For non emergency personnel:**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

##### **For emergency responders:**

Wear personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

#### **6.3. Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

#### **6.4. Reference to other sections**

See also section 8 and 13

---

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

##### **Advice on general occupational hygiene:**

#### **7.2. Conditions for safe storage, including any incompatibilities**

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

#### **7.3. Specific end use(s)**

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

---

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
Calcium carbonate CAS: 471-34-1	NATIONAL	HUNGARY	Long Term: 10 mg/m <sup>3</sup> inhalable aerosol Source: 5/2020. (II. 6.) ITM
	NATIONAL	IRELAND	Long Term: 10 mg/m <sup>3</sup> Inhalable fraction Source: 2021 Code of Practice
	NATIONAL	IRELAND	Long Term: 4 mg/m <sup>3</sup> Respirable fraction Source: 2021 Code of Practice
	NATIONAL	CROATIA	Long Term: 10 mg/m <sup>3</sup> U Source: NN 1/2021
	NATIONAL	CROATIA	Long Term: 4 mg/m <sup>3</sup> R Source: NN 1/2021
	NATIONAL	FRANCE	Long Term: 10 mg/m <sup>3</sup> Source: INRS outil65
	NATIONAL	LATVIA	Long Term: 6 mg/m <sup>3</sup> Source: KN325P1
	NATIONAL	POLAND	Long Term: 10 mg/m <sup>3</sup> 4) Source: Dz.U. 2018 poz. 1286
	SUVA	SWITZERLAND	Long Term: 3 mg/m <sup>3</sup> TWA mg/m <sup>3</sup> : (a), Formel / Formal, NIOSH Source: suva.ch/valeurs-limites
Quartz CAS: 14808-60-7	ACGIH		Long Term: 0.025 mg/m <sup>3</sup> (8h) R, A2 - Pulm fibrosis, lung cancer
	NATIONAL	HUNGARY	Long Term: 0.1 mg/m <sup>3</sup> Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	IRELAND	Long Term: 0.1 mg/m <sup>3</sup> Respirable fraction Source: 2021 Code of Practice
	NATIONAL	ITALY	Long Term: 0.1 mg/m <sup>3</sup> Polvere di silice cristallina respirabile (frazione inalabile). Rif:D.Lgs 81/2008 Source: D.lgs. 81/2008, Allegato XLIII
	NATIONAL	SPAIN	Long Term: 0.3 mg/m <sup>3</sup> Respirable fraction Source: LEP 2022
	NATIONAL	BELGIUM	Long Term: 0.1 mg/m <sup>3</sup> C Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	DENMARK	Long Term: 0.3 mg/m <sup>3</sup> alveolijae, liite 3 Source: BEK nr 2203 af 29/11/2021
	NATIONAL	DENMARK	Long Term: 0.1 mg/m <sup>3</sup> EK Source: BEK nr 2203 af 29/11/2021
	NATIONAL	ESTONIA	Long Term: 0.1 mg/m <sup>3</sup> 1, C Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL	FINLAND	Long Term: 0.05 mg/m <sup>3</sup> alveolijae, liite 3 Source: HTP-ARVOT 2020

NATIONAL	FRANCE	Long Term: 0.1 mg/m <sup>3</sup> La VLEP s'applique à la fraction alvéolaire. Forme de silice cristalline. Source: INRS outil65, article R. 4412-149 du Code du travail	
NATIONAL	LITHUANIA	Long Term: 0.1 mg/m <sup>3</sup> Žiūrėti 1 priedo 3 punktą. Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389	
NATIONAL	NETHERLAND S	Long Term: 0.075 mg/m <sup>3</sup> (2) Source: Arbeidsomstandighedenregeling - Lijst B1	
NATIONAL	NORWAY	Long Term: 0.3 mg/m <sup>3</sup> K 7 Source: FOR-2021-06-28-2248	
NATIONAL	NORWAY	Long Term: 0.05 mg/m <sup>3</sup> K G 7 21 Source: FOR-2021-06-28-2248	
NATIONAL	POLAND	Long Term: 0.1 mg/m <sup>3</sup> 6) Source: Dz.U. 2018 poz. 1286	
NATIONAL	SWEDEN	Long Term: 0.1 mg/m <sup>3</sup> C, M, 3 Source: AFS 2021:3	
SUVA	SWITZERLAND D	Long Term: 0.15 mg/m <sup>3</sup> TWA mg/m <sup>3</sup> : (a), C1A, SSC, P, Cancpulm Silicose / Lugenkrebs Silikose, HSE NIOSH OSHA Source: suva.ch/valeurs-limites	
Titanium dioxide CAS: 13463-67-7	ACGIH	Long Term: 2.5 mg/m <sup>3</sup> (8h) Finescale particles; R ; A3 - LRT irr, pneumoconiosis	
	NATIONAL	GERMANY	Long Term: 0.3 mg/m <sup>3</sup> ; Short Term: 2.4 mg/m <sup>3</sup> DFG; Long term and short term: excluding ultrafine particles; respirable fraction; multiplied by the material density; Source: TRGS900
	NATIONAL	BELGIUM	Long Term: 10 mg/m <sup>3</sup> Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	CROATIA	Long Term: 10 mg/m <sup>3</sup> U Source: NN 1/2021
	NATIONAL	CROATIA	Long Term: 4 mg/m <sup>3</sup> R Source: NN 1/2021
	NATIONAL	IRELAND	Long Term: 10 mg/m <sup>3</sup> Source: 2021 Code of Practice
	NATIONAL	IRELAND	Long Term: 4 mg/m <sup>3</sup> Source: 2021 Code of Practice
	NATIONAL	ROMANIA	Long Term: 10 mg/m <sup>3</sup> ; Short Term: 15 mg/m <sup>3</sup> Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SPAIN	Long Term: 10 mg/m <sup>3</sup> Source: LEP 2022
	NATIONAL	AUSTRIA	Long Term: 5 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup> 60(Miw), 2x, MAK, A Source: BGBl. II Nr. 156/2021
	NATIONAL	BULGARIA	Long Term: 10 mg/m <sup>3</sup> Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL	DENMARK	Long Term: 6 mg/m <sup>3</sup> K Source: BEK nr 2203 af 29/11/2021
	NATIONAL	ESTONIA	Long Term: 5 mg/m <sup>3</sup> Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL	FRANCE	Long Term: 10 mg/m <sup>3</sup> Cancérogène de catégorie 2

		Source: INRS outil65
NATIONAL	GREECE	Long Term: 10 mg/m3 εισπν. Source: ΦΕΚ 94/A` 13.5.1999
NATIONAL	GREECE	Long Term: 5 mg/m3 αvapv. Source: ΦΕΚ 94/A` 13.5.1999
NATIONAL	LATVIA	Long Term: 10 mg/m3 Source: KN325P1
NATIONAL	LITHUANIA	Long Term: 5 mg/m3 Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
NATIONAL	NORWAY	Long Term: 5 mg/m3 Source: FOR-2021-06-28-2248
NATIONAL	POLAND	Long Term: 10 mg/m3 4), 7) Source: Dz.U. 2018 poz. 1286
SUVA	SWITZERLAN D	Long Term: 3 mg/m3 TWA mg/m3: (a), SSC, Formel / Formal, NIOSH Source: suva.ch/valeurs-limites
NATIONAL	SLOVAKIA	Long Term: 5 mg/m3 Source: 355 NARIADENIE VLÁDY z 10. mája 2006
NATIONAL	SWEDEN	Long Term: 5 mg/m3 3 Source: AFS 2021:3
Cellulose CAS: 9004-34-6	ACGIH	Long Term: 10 mg/m3 (8h) URT irr
NATIONAL	BELGIUM	Long Term: 10 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
NATIONAL	CROATIA	Long Term: 10 mg/m3; Short Term: 20 mg/m3 U Source: NN 1/2021
NATIONAL	CROATIA	Long Term: 4 mg/m3 R Source: NN 1/2021
NATIONAL	IRELAND	Long Term: 10 mg/m3 Source: 2021 Code of Practice
NATIONAL	ROMANIA	Long Term: 10 mg/m3 fracțiune inhalabilă Source: Republicarea 1 - nr. 743 din 29 iulie 2021
NATIONAL	SPAIN	Long Term: 10 mg/m3 Source: LEP 2022
NATIONAL	ESTONIA	Long Term: 10 mg/m3 Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
NATIONAL	FRANCE	Long Term: 10 mg/m3 Source: INRS outil65
NATIONAL	LATVIA	Long Term: 2 mg/m3 Source: KN325P1
SUVA	SWITZERLAN D	Long Term: 3 mg/m3 TWA mg/m3: (a), VRS / OAW, NIOSH Source: suva.ch/valeurs-limites
WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 10 mg/m3; Short Term: 20 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
WEL-EH40	UNITED KINGDOM OF	Long Term: 4 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)

GREAT  
BRITAIN AND  
NORTHERN  
IRELAND

sodium chloride  
CAS: 7647-14-5

NATIONAL LATVIA Long Term: 5 mg/m3  
Source: KN325P1

NATIONAL LITHUANIA Long Term: 5 mg/m3  
Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389

Quartz  
CAS: 14808-60-7

EU Long Term: 0.1 mg/m3  
Polvere di silice cristallina respirabile, frazione inalabile. (R), A2 - Pulm fibrosis, lung cancer. Directive 2017/2398

ACGIH Long Term: 0.025 mg/m3 (8h)  
R, A2 - Pulm fibrosis, lung cancer

NATIONAL HUNGARY Long Term: 0.1 mg/m3 (8h)  
Respirable aerosol  
Source: 5/2020. (II. 6.) ITM rendelet

NATIONAL IRELAND Long Term: 0.1 mg/m3 (8h)  
Respirable fraction  
Source: 2021 Code of Practice

NATIONAL ITALY Long Term: 0.1 mg/m3 (8h)  
Polvere di silice cristallina respirabile (frazione inalabile). D.Lgs 81/2008  
Source: D.lgs. 81/2008, Allegato XLIII

NATIONAL SPAIN Long Term: 0.05 mg/m3 (8h)  
Respirable fraction  
Source: LEP 2022

NATIONAL CROATIA Long Term: 0.1 mg/m3  
Source: NN 1/2021

NATIONAL AUSTRIA Long Term: 0.05 mg/m3  
MAK, III C, A  
Source: BGBl. II Nr. 156/2021

NATIONAL BELGIUM Long Term: 0.1 mg/m3  
C  
Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1

NATIONAL DENMARK Long Term: 0.3 mg/m3  
Source: BEK nr 2203 af 29/11/2021

NATIONAL DENMARK Long Term: 0.1 mg/m3  
EK  
Source: BEK nr 2203 af 29/11/2021

NATIONAL ESTONIA Long Term: 0.1 mg/m3  
1, C  
Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105

NATIONAL FINLAND Long Term: 0.05 mg/m3  
alveolijae, liite 3  
Source: HTP-ARVOT 2020

NATIONAL FRANCE Long Term: 0.1 mg/m3  
La VLEP s'applique à la fraction alvéolaire. Forme de silice cristalline.  
Source: INRS outil65, article R. 4412-149 du Code du travail

NATIONAL LITHUANIA Long Term: 0.1 mg/m3  
Žiūrėti 1 priedo 3 punktą.  
Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389

NATIONAL NETHERLAND Long Term: 0.075 mg/m3  
S (2)  
Source: Arbeidsomstandighedenregeling - Lijst B1

NATIONAL NORWAY Long Term: 0.3 mg/m3  
K 7  
Source: FOR-2021-06-28-2248

NATIONAL NORWAY Long Term: 0.05 mg/m3  
K G 7 21  
Source: FOR-2021-06-28-2248

	NATIONAL	POLAND	Long Term: 0.1 mg/m <sup>3</sup> 6) Source: Dz.U. 2018 poz. 1286
	NATIONAL	SWEDEN	Long Term: 0.1 mg/m <sup>3</sup> C, M, 3 Source: AFS 2021:3
	SUVA	SWITZERLAN D	Long Term: 0.15 mg/m <sup>3</sup> TWA mg/m <sup>3</sup> : (a), C1A, SSC, P, Cancpulm Silicose / Lugenkrebs Silikose, HSE NIOSH OSHA Source: suva.ch/valeurs-limites
2-amino-2-methylpropanol CAS: 124-68-5	NATIONAL	DENMARK	Long Term: 3 ppm Source: At-vejledning C.0.1-1
	SUVA	SWITZERLAN D	Long Term: 8.7 mg/m <sup>3</sup> - 2.4 ppm; Short Term: 17.4 mg/m <sup>3</sup> - 4.8 ppm R/H, SSC, Foie / Leber, La substance peut être présente sous forme de vapeur et d'aérosol en même temps / Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen Source: suva.ch/valeurs-limites
	NATIONAL	GERMANY	Long Term: 3.7 mg/m <sup>3</sup> - 1 ppm DFG, H, Y, 11, 2(II) Source: TRGS 900
	NATIONAL	SLOVENIA	Long Term: 3.7 mg/m <sup>3</sup> - 1 ppm; Short Term: 7.4 mg/m <sup>3</sup> - 2 ppm K, Y Source: UL št. 72, 11. 5. 2021
3-iodo-2-propynyl butylcarbamate; 3-iodoprop- 2-yn-1-yl butylcarbamate CAS: 55406-53-6	SUVA	SWITZERLAN D	Long Term: 0.12 mg/m <sup>3</sup> - 0.01 ppm; Short Term: 0.24 mg/m <sup>3</sup> - 0.02 ppm S, SSC, Cholin / Cholin, La substance peut être présente sous forme de vapeur et d'aérosol en même temps / Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen Source: suva.ch/valeurs-limites
	NATIONAL	GERMANY	Long Term: 0.058 mg/m <sup>3</sup> - 0.005 ppm DFG, Y, Sh, 11, 2 (I) Source: TRGS 900
	NATIONAL	SLOVENIA	Long Term: 0.058 mg/m <sup>3</sup> - 0.005 ppm; Short Term: 0.116 mg/m <sup>3</sup> - 0.01 ppm Y Source: UL št. 72, 11. 5. 2021
2-octyl-2H-isothiazol-3-one CAS: 26530-20-1	NATIONAL	AUSTRIA	Long Term: 0.05 mg/m <sup>3</sup> ; Short Term: Ceiling - 0.05 mg/m <sup>3</sup> Mow, MAK, H, S, E Source: BGBl. II Nr. 156/2021
	SUVA	SWITZERLAN D	Long Term: 0.05 mg/m <sup>3</sup> ; Short Term: 0.1 mg/m <sup>3</sup> TWA mg/m <sup>3</sup> : (i), R/H, S, VRS / OAW Source: suva.ch/valeurs-limites
	NATIONAL	GERMANY	Long Term: 0.05 mg/m <sup>3</sup> DFG, H, Y, E, 2(I) Source: TRGS 900
	NATIONAL	SLOVENIA	Long Term: 0.05 mg/m <sup>3</sup> ; Short Term: 0.1 mg/m <sup>3</sup> K, Y, (I) Source: UL št. 72, 11. 5. 2021
2-methylisothiazol-3(2H)-one CAS: 2682-20-4	NATIONAL	SLOVENIA	Long Term: 0.05 mg/m <sup>3</sup> (8h)
	NATIONAL	AUSTRIA	Long Term: 0.05 mg/m <sup>3</sup> MAK, Sh Source: GKV, BGBl. II Nr. 156/2021
Kaolin CAS: 1332-58-7	ACGIH		Long Term: 2 mg/m <sup>3</sup> (8h) E,R, A4 - Pneumoconiosis
	NATIONAL	BELGIUM	Long Term: 2 mg/m <sup>3</sup> Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	DENMARK	Long Term: 2 mg/m <sup>3</sup> Source: BEK nr 2203 af 29/11/2021
	NATIONAL	FINLAND	Long Term: 2 mg/m <sup>3</sup> alveolijae Source: HTP-ARVOT 2020
	NATIONAL	IRELAND	Long Term: 2 mg/m <sup>3</sup> Source: 2021 Code of Practice

	NATIONAL	POLAND	Long Term: 10 mg/m <sup>3</sup> 4), 7) Source: Dz.U. 2018 poz. 1286
	SUVA	SWITZERLAND	Long Term: 3 mg/m <sup>3</sup> TWA mg/m <sup>3</sup> : (a), Fib pulm / Lungenfibrose Source: suva.ch/valeurs-limites
	NATIONAL	CROATIA	Long Term: 2 mg/m <sup>3</sup> R Source: NN 1/2021
Copper dinitrate CAS: 3251-23-8	NATIONAL	FINLAND	Long Term: 0.02 mg/m <sup>3</sup> Cu, alveolijae Source: HTP-ARVOT 2020
sodium hydroxide; caustic soda CAS: 1310-73-2	ACGIH		Short Term: Ceiling - 2 mg/m <sup>3</sup> URT, eye, and skin irr
	NATIONAL	ROMANIA	Long Term: 1 mg/m <sup>3</sup> ; Short Term: 3 mg/m <sup>3</sup>
	NATIONAL	AUSTRIA	Long Term: 2 mg/m <sup>3</sup> ; Short Term: Ceiling - 4 mg/m <sup>3</sup> 5(Mow), 8x, MAK, E Source: BGBl. II Nr. 156/2021
	NATIONAL	BULGARIA	Long Term: 2 mg/m <sup>3</sup> Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL	CZECHIA	Long Term: 1 mg/m <sup>3</sup> ; Short Term: Ceiling - 2 mg/m <sup>3</sup> I Source: Nařízení vlády č. 361-2007 Sb
	NATIONAL	DENMARK	Short Term: Ceiling - 2 mg/m <sup>3</sup> L Source: BEK nr 2203 af 29/11/2021
	NATIONAL	ESTONIA	Long Term: 1 mg/m <sup>3</sup> ; Short Term: 2 mg/m <sup>3</sup> * Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL	FINLAND	Short Term: Ceiling - 2 mg/m <sup>3</sup> kattoarvo Source: HTP-ARVOT 2020
	NATIONAL	FRANCE	Long Term: 2 mg/m <sup>3</sup> Source: INRS outil65
	NATIONAL	GREECE	Long Term: 2 mg/m <sup>3</sup> ; Short Term: 2 mg/m <sup>3</sup> Source: ΦΕΚ 94/Α` 13.5.1999
	NATIONAL	HUNGARY	Long Term: 1 mg/m <sup>3</sup> ; Short Term: 2 mg/m <sup>3</sup> m, N Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	LATVIA	Long Term: 0.5 mg/m <sup>3</sup> Source: KN325P1
	NATIONAL	LITHUANIA	Short Term: Ceiling - 2 mg/m <sup>3</sup> Ū Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL	NORWAY	Short Term: Ceiling - 2 mg/m <sup>3</sup> T Source: FOR-2021-06-28-2248
	NATIONAL	POLAND	Long Term: 0.5 mg/m <sup>3</sup> ; Short Term: 1 mg/m <sup>3</sup> Source: Dz.U. 2018 poz. 1286
	NATIONAL	SLOVAKIA	Long Term: 2 mg/m <sup>3</sup> Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATIONAL	SWEDEN	Long Term: 1 mg/m <sup>3</sup> ; Short Term: 2 mg/m <sup>3</sup> 3 Source: AFS 2021:3
	SUVA	SWITZERLAND	Long Term: 2 mg/m <sup>3</sup> ; Short Term: 2 mg/m <sup>3</sup> TWA mg/m <sup>3</sup> : (i), SSC, VRS Peau Yeux / OAW Haut Auge, NIOSH OSHA Source: suva.ch/valeurs-limites
	NATIONAL	BELGIUM	Long Term: 2 mg/m <sup>3</sup>

		M	Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	CROATIA	Short Term: 2 mg/m3 Source: NN 1/2021
	NATIONAL	IRELAND	Short Term: 2 mg/m3 Source: 2021 Code of Practice
	NATIONAL	SPAIN	Short Term: 2 mg/m3 Source: LEP 2022
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NATIONAL	GERMANY	Long Term: 0.2 mg/m3; Short Term: 0.4 mg/m3 DFG; Long term and short term: inhalable fraction Source: TRGS900
	NATIONAL	AUSTRIA	Long Term: 0.05 mg/m3 MAK, Sh Source: GKV, BGBl. II Nr. 156/2021
	SUVA	SWITZERLAND	Long Term: 0.2 mg/m3; Short Term: 0.4 mg/m3 TWA mg/m3: (i), S, SSC, VRS Peau Yeux / OAW Haut Auge Source: suva.ch/valeurs-limites
zinc oxide CAS: 1314-13-2	ACGIH		Long Term: 2 mg/m3 (8h); Short Term: 10 mg/m3 R - Metal fume fever
	NATIONAL	AUSTRIA	Long Term: 5 mg/m3 MAK, A Source: BGBl. II Nr. 156/2021
	NATIONAL	BULGARIA	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL	CZECHIA	Long Term: 2 mg/m3; Short Term: Ceiling - 5 mg/m3 Source: Nařízení vlády č. 361-2007 Sb
	NATIONAL	DENMARK	Long Term: 4 mg/m3 Source: BEK nr 2203 af 29/11/2021
	NATIONAL	ESTONIA	Long Term: 5 mg/m3 Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL	FINLAND	Long Term: 2 mg/m3; Short Term: 10 mg/m3 Source: HTP-ARVOT 2020
	NATIONAL	FRANCE	Long Term: 5 mg/m3 Source: INRS outil65
	NATIONAL	FRANCE	Long Term: 10 mg/m3 Source: INRS outil65
	NATIONAL	GREECE	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Source: ΦΕΚ 94/Α` 13.5.1999
	NATIONAL	HUNGARY	Long Term: 5 mg/m3 i, N Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	HUNGARY	Long Term: 5 mg/m3 i, R Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	LATVIA	Long Term: 0.5 mg/m3 Source: KN325P1
	NATIONAL	LITHUANIA	Long Term: 5 mg/m3 Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL	NORWAY	Long Term: 5 mg/m3 Source: FOR-2021-06-28-2248
	NATIONAL	POLAND	Long Term: 5 mg/m3; Short Term: 10 mg/m3 4) Source: Dz.U. 2018 poz. 1286
	NATIONAL	SLOVAKIA	Long Term: 1 mg/m3; Short Term: 1 mg/m3 11) Source: 355 NARIADENIE VLÁDY z 10. mája 2006

	NATIONAL	SWEDEN	Long Term: 5 mg/m <sup>3</sup> 3 Source: AFS 2021:3
	SUVA	SWITZERLAND	Long Term: 3 mg/m <sup>3</sup> ; Short Term: 3 mg/m <sup>3</sup> TWA mg/m <sup>3</sup> : (a), Fimétal / Metallrauch, NIOSH OSHA Source: suva.ch/valeurs-limites
	NATIONAL	BELGIUM	Long Term: 2 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup> Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	CROATIA	Long Term: 2 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup> GVI: R Source: NN 1/2021
	NATIONAL	IRELAND	Long Term: 2 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup> OEL (8-hour reference period) : R Source: 2021 Code of Practice
	NATIONAL	ROMANIA	Long Term: 5 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup> (Fumuri) Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SPAIN	Long Term: 2 mg/m <sup>3</sup> ; Short Term: 10 mg/m <sup>3</sup> d Source: LEP 2022
Pyridine-2-thiol 1-oxide, sodium salt CAS: 3811-73-2	NATIONAL	GERMANY	Long Term: 0.2 mg/m <sup>3</sup> DFG, H, Y, E, 2(II) Source: TRGS 900
	NATIONAL	SLOVENIA	Long Term: 1 mg/m <sup>3</sup> ; Short Term: 2 mg/m <sup>3</sup> K, (I) Source: UL št. 72, 11. 5. 2021
	NATIONAL	AUSTRIA	Long Term: 1 mg/m <sup>3</sup> ; Short Term: 4 mg/m <sup>3</sup> 15(Miw), 4x, MAK, H Source: BGBl. II Nr. 156/2021
	NATIONAL	DENMARK	Long Term: 1 mg/m <sup>3</sup> H Source: BEK nr 2203 af 29/11/2021
	SUVA	SWITZERLAND	Long Term: 0.2 mg/m <sup>3</sup> ; Short Term: 0.4 mg/m <sup>3</sup> TWA mg/m <sup>3</sup> : (i), R/H, SSC, SNP / PNS Source: suva.ch/valeurs-limites
glyoxal...%; ethandial...% CAS: 107-22-2	ACGIH		Long Term: 0.1 mg/m <sup>3</sup> (8h) IFV, DSEN, A4 - URT irr, larynx metaplasia
	NATIONAL	DENMARK	Short Term: Ceiling - 0.5 mg/m <sup>3</sup> - 0.2 ppm L Source: BEK nr 2203 af 29/11/2021
	NATIONAL	FINLAND	Long Term: 0.02 mg/m <sup>3</sup> Source: HTP-ARVOT 2020
	NATIONAL	IRELAND	Long Term: 0.1 mg/m <sup>3</sup> IFV Source: 2021 Code of Practice
	NATIONAL	BELGIUM	Long Term: 0.1 mg/m <sup>3</sup> Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	SPAIN	Long Term: 0.1 mg/m <sup>3</sup> Sen, FIV, s Source: LEP 2022

### Predicted No Effect Concentration (PNEC) values

3-iodo-2-propynyl  
butylcarbamate; 3-  
iodoprop-2-yn-1-yl  
butylcarbamate  
CAS: 55406-53-6

Exposure Route: Fresh Water; PNEC Limit: 500 ng/L

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 530 ng/L

Exposure Route: Marine water; PNEC Limit: 46 ng/L

Exposure Route: Intermittent releases (marine water); PNEC Limit: 530 ng/L

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 440 ng/L

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 440 ng/L

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one  
CAS: 2634-33-5

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 1.1 µg/l

Exposure Route: Marine water; PNEC Limit: 403 ng/L

Exposure Route: Intermittent releases (marine water); PNEC Limit: 110 ng/L

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 1.03 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 49.9 µg/kg

Exposure Route: Marine water sediments; PNEC Limit: 4.99 µg/kg

Exposure Route: Soil; PNEC Limit: 3 mg/kg

2-octyl-2H-isothiazol-3-one  
CAS: 26530-20-1

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 1.22 µg/l

Exposure Route: Marine water; PNEC Limit: 220 ng/L

Exposure Route: Intermittent releases (marine water); PNEC Limit: 122 ng/L

Exposure Route: Freshwater sediments; PNEC Limit: 47.5 µg/kg

Exposure Route: Marine water sediments; PNEC Limit: 47.5 µg/kg

Exposure Route: Soil; PNEC Limit: 8.2 µg/kg

2-methylisothiazol-3(2H)-one  
CAS: 2682-20-4

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 3.39 µg/l

Exposure Route: Marine water; PNEC Limit: 3.39 µg/l

Exposure Route: Intermittent releases (marine water); PNEC Limit: 3.39 µg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 230 µg/l

Exposure Route: Soil; PNEC Limit: 47.1 µg/kg

Exposure Route: Fresh Water; PNEC Limit: 3.39 µg/l

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)  
CAS: 55965-84-9

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 3.39 µg/l

Exposure Route: Marine water; PNEC Limit: 3.39 µg/l

Exposure Route: Intermittent releases (marine water); PNEC Limit: 3.39 µg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 230 µg/l

Exposure Route: Freshwater sediments; PNEC Limit: 27 µg/l

Exposure Route: Marine water sediments; PNEC Limit: 27 µg/l

Exposure Route: Soil; PNEC Limit: 10 µg/l

### Derived No Effect Level (DNEL) values

3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate  
CAS: 55406-53-6

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Worker Professional: 23 µg/m<sup>3</sup>

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects  
Worker Professional: 70 µg/m<sup>3</sup>

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects  
Worker Professional: 1.16 mg/m<sup>3</sup>

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects  
Worker Professional: 1.16 mg/m<sup>3</sup>

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects  
Worker Professional: 2 mg/kg

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one  
Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Worker Professional: 6.81 mg/m<sup>3</sup>; Consumer: 1.2 mg/m<sup>3</sup>  
CAS: 2634-33-5

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects  
Worker Professional: 966 µg/kg; Consumer: 345 µg/kg

2-methylisothiazol-3(2H)-one  
Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects  
Worker Professional: 21 µg/m<sup>3</sup>; Consumer: 21 µg/m<sup>3</sup>  
CAS: 2682-20-4

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects  
Worker Professional: 43 µg/m<sup>3</sup>; Consumer: 43 µg/m<sup>3</sup>

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects  
Consumer: 27 µg/kg

Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects  
Consumer: 53 µg/kg

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)  
Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects  
Worker Professional: 20 µg/m<sup>3</sup>; Consumer: 20 µg/m<sup>3</sup>  
CAS: 55965-84-9

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects  
Worker Professional: 40 µg/m<sup>3</sup>; Consumer: 20 µg/m<sup>3</sup>

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects  
Consumer: 90 µg/kg

Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects  
Consumer: 110 µg/kg

## 8.2. Exposure controls

Eye protection:

Eye glasses.

Protection for skin:

Disposable suit.

Protection for hands:

Protection for hands:

Suitable materials for safety gloves; EN 374:

Nitrile rubber - NBR: thickness ≥0,35mm; breakthrough time ≥480min.

Respiratory protection:

N.A.

Thermal Hazards:

Not expected if used as intended

Environmental exposure controls:

Data not available.

---

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: In compliance with the product description

Odour: Characteristic

Odour threshold: N.A.

pH: =8.50 Notes: @20°C OECD122

Kinematic viscosity: N.A. ( Not determined, as it is not required for CLP classification )

Melting point/freezing point: N.A.

Boiling point or initial boiling point and boiling range: 100 °C (212 °F)

Flash point: > 60°C / 93°C

Lower and upper explosion limit: N.A. ( Not applicable as the mixture is not flammable )

Relative vapour density: N.A.

Vapour pressure: N.A.

Density and/or relative density: 1.89 g/cm<sup>3</sup> Notes: EN1097-03

Solubility in water: N.A.

Solubility in oil: N.A. ( Not determined, as it is not required for CLP classification )

Partition coefficient n-octanol/water (log value): N.A. ( Not applicable to mixtures )  
Auto-ignition temperature: N.A. ( Not applicable as the mixture is not flammable )  
Decomposition temperature: N.A. ( Not applicable, as the mixture is not self-reactive )  
Flammability: ; Not applicable as the mixture is not flammable  
Volatile Organic compounds - VOCs = 0.05 % ; 0.86 g/l

**Particle characteristics:**

Particle size: N.A.

**9.2. Other information**

No other relevant information

---

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Stable under normal conditions

**10.2. Chemical stability**

Data not available.

**10.3. Possibility of hazardous reactions**

None.

**10.4. Conditions to avoid**

Stable under normal conditions.

**10.5. Incompatible materials**

None in particular.

**10.6. Hazardous decomposition products**

None.

---

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Toxicological Information of the Preparation**

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1A(H317)
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

**Toxicological information on main components of the mixture:**

Quartz	a) acute toxicity	LD50 Oral > 2000 mg/kg
3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	a) acute toxicity	ATE - Inhalation (Dust/mist) : 0.17 mg/l  LD50 Oral Rat = 1056 mg/kg LC50 Inhalation Dust Rat > 6.89 mg/l 4h LD50 Skin Rabbit > 2000 mg/kg 24h
	b) skin corrosion/irritation	Skin Irritant Rabbit Negative 4h

	c) serious eye damage/irritation	Eye Irritant Rabbit Yes		
	f) carcinogenicity	Genotoxicity Negative Carcinogenicity Oral Negative	Mouse oral route Mouse	
	g) reproductive toxicity	Reproductive Toxicity Oral Rat Negative		
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	a) acute toxicity	LD50 Oral Rat = 670 mg/kg  LD50 Skin Rat > 2000 mg/kg		
	b) skin corrosion/irritation	Skin Irritant Rabbit Negative		
	c) serious eye damage/irritation	Eye Corrosive Positive	irreversible damage	
	d) respiratory or skin sensitisation	Skin Sensitization Guineapig Positive		
	f) carcinogenicity	Genotoxicity Rat Negative	Oral route	
	g) reproductive toxicity	No Observed Adverse Effect Level Oral Rat = 112 mg/kg		
	2-octyl-2H-isothiazol-3-one	a) acute toxicity	ATE - Oral : 125 mg/kg bw  ATE - Dermal : 311 mg/kg bw LD50 Oral Rat = 125 mg/kg LC50 Inhalation Mist Rat = 0.27 mg/l 4h LD50 Skin Rabbit = 311 mg/kg	
b) skin corrosion/irritation		Skin Irritant Rabbit Positive		
c) serious eye damage/irritation		Eye Irritant Rabbit Yes		
d) respiratory or skin sensitisation		Skin Sensitization Guineapig Positive		
a) acute toxicity		LC50 Inhalation of aerosol Rat = 0.1 mg/l 4h  LD50 Oral Rat = 120 mg/kg LD50 Skin Rat = 242 mg/kg 24h		
b) skin corrosion/irritation		Skin Corrosive Rabbit Positive 4h		
c) serious eye damage/irritation		Eye Corrosive Rabbit Positive		
2-methylisothiazol-3(2H)-one	d) respiratory or skin sensitisation	Skin Sensitization Guineapig Positive		
	f) carcinogenicity	Genotoxicity Rat Negative Carcinogenicity Oral Rat Negative	Oral route	
	g) reproductive toxicity	Reproductive Toxicity Oral Rat = 200 Ppm	NOAEL	
	4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)	a) acute toxicity	ATE - Oral : 567 mg/kg bw  ATE - Inhalation (Dust/mist) : 0.16 mg/l	
		a) acute toxicity	LD50 Oral Rat = 69 mg/kg  LD50 Skin Rabbit = 141 mg/kg LC50 Inhalation Rat = 0.33 mg/l 4h	

b) skin corrosion/irritation	Skin Irritant Rabbit Positive
c) serious eye damage/irritation	Eye Corrosive Rabbit Positive
d) respiratory or skin sensitisation	Skin Sensitization Positive
f) carcinogenicity	Genotoxicity Negative Carcinogenicity Skin Negative
g) reproductive toxicity	No Observed Adverse Effect Level Oral Rat = 22.7 mg/kg

## 11.2. Information on other hazards

### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Harmful to aquatic life with long lasting effects.

### List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 3(H412)

### List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	CAS: 55406-53-6 - EINECS: 259-627-5 - INDEX: 616-212-00-7	<p>a) Aquatic acute toxicity : LC50 Fish Sheapshed minnow = 0.067 mg/L 96h</p> <p>b) Aquatic chronic toxicity : NOEC Fish Pimephales promelas = 8.4 µg/L EPA OPP 72-4 (Fish Early Life-Stage and Aquatic Invertebrate Life-Cycle Studies) - 35days</p> <p>a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 0.645 mg/L 48h EPA OPP 72-2 (Aquatic Invertebrate Acute Toxicity Test)</p> <p>b) Aquatic chronic toxicity : NOEC Daphnia Daphnia magna = 49.9 µg/L OECD 202 - 21days</p> <p>a) Aquatic acute toxicity : LC50 Algae Desmodesmus subspicatus = 53 µg/L 72h ,,OECD Guideline 201 (Alga, Growth Inhibition Test)</p> <p>a) Aquatic acute toxicity : LC50 Sludge activated sludge = 44 mg/L 3h OECD Guideline 209</p> <p>e) Plant toxicity : LC50 Avena sativa = 4.92 mg/kg OECD Guideline 208 (Terrestrial Plants Test: Seedling Emergence and Seedling Growth Test)</p>
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS: 2634-33-5 - EINECS: 220-120-9 - INDEX: 613-088-00-6	<p>a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 2.15 mg/L 96h OECD Guideline 203</p> <p>a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 2.9 mg/L 48h OECD Guideline 202</p> <p>a) Aquatic acute toxicity : EC50 Algae green alga Selenastrum capricornutum freshwater algae = 110 µg/L OECD Guideline 201</p> <p>d) Terrestrial toxicity : EC50 Worm Eisenia fetida &gt; 410.6 mg/kg OECD Guideline 207 - Duration 14d</p> <p>d) Terrestrial toxicity : EC10 soil microorganisms = 263.7 mg/kg - long term</p> <p>a) Aquatic acute toxicity : NOEC Sludge activated sludge 10.3 mg/L 3h OECD Guideline 209</p> <p>e) Plant toxicity : LC50 Triticum aestivum = 200 mg/kg OECD Guideline 208</p>

2-octyl-2H-isothiazol-3-one	CAS: 26530-20-1 - EINECS: 247-761-7 - INDEX: 613-112-00-5	<p>a) Aquatic acute toxicity : LC50 Fish freshwater fish = 0.122 mg/L dossier ECHA</p> <p>b) Aquatic chronic toxicity : EC10 Fish = 0.022 mg/L dossier ECHA</p> <p>a) Aquatic acute toxicity : EC50 freshwater invertebrates = 0.181 mg/L dossier ECHA</p> <p>b) Aquatic chronic toxicity : EC10 freshwater invertebrates = 0.035 mg/L dossier ECHA</p> <p>LC50 Algae freshwater algae = 0.15 mg/L</p>
2-methylisothiazol-3(2H)-one	CAS: 2682-20-4 - EINECS: 220-239-6 - INDEX: 613-326-00-9	<p>a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 4.77 mg/L 96h „OECD Guideline 203 (Fish, Acute Toxicity Test)</p> <p>b) Aquatic chronic toxicity : NOEC Fish Oncorhynchus mykiss = 4.93 mg/L Dossier ECHA</p> <p>a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 0.93 mg/L 48h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</p> <p>b) Aquatic chronic toxicity : EC10 Daphnia Daphnia magna = 0.04 mg/L OECD Guideline 211 (Daphnia magna Reproduction Test) - Duration 21d</p> <p>a) Aquatic acute toxicity : EC50 Algae Selenastrum capricornutum = 0.1 mg/L 72h Dossier ECHA</p> <p>a) Aquatic acute toxicity : EC50 Sludge activated sludge of a predominantly domestic sewage = 41 mg/L 3h „OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)</p> <p>b) Aquatic chronic toxicity : EC50 freshwater sediment = 50 mg/kg Duration 28d Draft OECD Guideline (now OECD Guideline 225) - 28days</p>
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS: 55965-84-9 - INDEX: 613-167-00-5	<p>a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 0.19 mg/L 96h EPA OPP 72-1 (Fish Acute Toxicity Test)</p> <p>b) Aquatic chronic toxicity : NOEC Fish Danio rerio = 0.02 mg/L „OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test) - 35days</p> <p>a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 0.16 mg/L 48h EPA OPP 72-2 (Aquatic Invertebrate Acute Toxicity Test)</p> <p>b) Aquatic chronic toxicity : NOEC Daphnia Daphnia magna = 0.1 mg/L EPA OPP 72-4 (Fish Early Life-Stage and Aquatic Invertebrate Life-Cycle Studies) - 21days</p> <p>a) Aquatic acute toxicity : EC50 Algae Skeletonema costatum = 0 mg/L 96h „OECD Guideline 201 (Alga, Growth Inhibition Test)</p> <p>a) Aquatic acute toxicity : EC50 Sludge activated sludge = 4.5 mg/L 3h „OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)</p> <p>d) Terrestrial toxicity : LC50 Worm Eisenia fetida = 613 mg/kg „OECD Guideline 207 (Earthworm, Acute Toxicity Tests) - 14days</p> <p>e) Plant toxicity : NOEC Trifolium pratense, Oryza sativa, Brassica napus = 1000 mg/L OECD Guideline 208 (Terrestrial Plants Test: Seedling Emergence and Seedling Growth Test) - 21days</p>

## 12.2. Persistence and degradability

Component	Persitence/Degradability:	Test	Notes:
3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	Non-readily biodegradable	Oxygen consumption	EU Method C.4-D (Determination of the "Ready" Biodegradability - Manometric Respirometry Test)
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Non-readily biodegradable	CO2 production	OECD Guideline 301C
2-octyl-2H-isothiazol-3-one	Non-readily biodegradable		
2-methylisothiazol-3(2H)-one	Non-readily biodegradable	CO2 production	OECD Guideline 301 B

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Non-readily biodegradable

### 12.3. Bioaccumulative potential

Component	Bioaccumulation	Test	Value	Notes:
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Bioaccumulative	BCF - Bioconcentration factor	6.620	
2-octyl-2H-isothiazol-3-one	Bioaccumulative	BCF - Bioconcentration factor	19.210	L/kg ww
2-methylisothiazol-3(2H)-one	Bioaccumulative	BCF - Bioconcentration factor	5.750	carcass
	Bioaccumulative	BCF - Bioconcentration factor	48.100	viscera
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Bioaccumulative	BCF - Bioconcentration factor	54.000	≤ 54

### 12.4. Mobility in soil

N.A.

### 12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration  $\geq 0.1\%$

### 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### 12.7. Other adverse effects

N.A.

---

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Disposal through discharge into wastewater is not permitted

The product disposed of as such, pursuant to Regulation (EU) 1357/2014, must be classified as hazardous waste

A waste code according to the European List of Wastes (LoW) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

### Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):

N.A.

---

## SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

### 14.1. UN number or ID number

N/A

### 14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

### 14.3. Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

### 14.4. Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

### 14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: N/A  
ADR - Hazard identification number: N/A  
ADR-Special Provisions: N/A  
ADR-Transport category (Tunnel restriction code): N/A  
ADR Limited Quantities: N/A  
ADR Excepted Quantities: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A  
IATA-Cargo Aircraft: N/A  
IATA-Label: N/A  
IATA-Subsidiary hazards: N/A  
IATA-Erg: N/A  
IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage and handling: N/A  
IMDG-Segregation: N/A  
IMDG-Subsidiary hazards: N/A  
IMDG-Special Provisions: N/A

**14.7. Maritime transport in bulk according to IMO instruments**

N.A.

---

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Regulation (EU) n. 2023/707

Regulation (EU) n. 2023/1434 (ATP 19 CLP)

Regulation (EU) n. 2023/1435 (ATP 20 CLP)

Regulation (EU) n. 2024/197 (ATP 21 CLP)

Regulation (EU) n. 2020/878

Regulation (EC) nr 648/2004 (Detergents).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

None

**Explosives precursors – Regulation 2019/1148**

No substances listed

**Regulation (EU) No 649/2012 (PIC regulation)**

No substances listed

**German Water Hazard Class.**

1: Low hazard to waters

**German Lagerklasse according to TRGS 510:**

LGK 10

SVHC Substances:

No SVHC substances present in concentration  $\geq 0.1\%$

**Dir. 2004/42/EC (VOC directive)**

(ready to use)

Volatile Organic compounds - VOCs = 0.05 %

Volatile Organic compounds - VOCs = 0.86 g/L

**REGULATION (EU) No 528/2012**

The product is identified as an article treated pursuant to art. 58 of Regulation (EU) no. 528/2012 and subsequent amendments.

Substances included in Regulation (EU) n. 528/2012 (concerning the making available on the market and use of biocidal products):

Nomenclature IUPAC: Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)

Nomenclature BPR: C(M)IT/MIT (3:1)

CAS number: 55965-84-9

Product-type 6: Preservatives for products during storage

Assessment status: Approved

Commission Implementing Regulation (EU) 2016/131 ; Nomenclature IUPAC: 3-iodo-2-propynyl butylcarbamate

Nomenclature BPR: IPBC

CAS number: 55406-53-6

Product-type 6: Preservatives for products during storage

Assessment status: Approved EU 1037/2013

Commission Implementing Regulation

Product-type 7: Film preservatives

Assessment status: Initial application for approval in progress. Competent authority evaluation

Product-type 8: Film preservatives

Assessment status: Approved

Commission Implementing Regulation EU 2015/1728; Nomenclature IUPAC: octhilinone (ISO); 2-octyl-2H-isothiazol-3-one

Nomenclature BPR: OIT

CAS number: 26530-20-1

Product-type 6: Preservatives for products during storage

Assessment status: Initial application for approval in progress.

Product-type 7: Film preservatives

Assessment status: Initial application for approval in progress.

Product-type 8: Film preservatives

Assessment status: Approved

Commission Implementing Regulation EU 2017/1277

Product-type 10: Construction material preservatives

Assessment status: Initial application for approval in progress. Nomenclature IUPAC: 2-methyl-2H-isothiazol-3-one

Nomenclature BPR: MIT

CAS number: 2682-20-4

Product-type 6: Preservatives for products during storage

Assessment status: Approved.

Commission Implementing Regulation (EU) 2025/1257; Nomenclature IUPAC: 1,2-benzisothiazol-3(2H)-one

Nomenclature BPR: BIT

CAS number: 2634-33-5

Product-type 6: Preservatives for products during storage

Assessment status: Approved

Commission Implementing Regulation (EU) 2025/929; Nomenclature IUPAC: 4,5-dichloro-2-octyl-2H-isothiazol-3-one

Nomenclature BPR: DCOIT

CAS number: 64359-81-5

Product-type 7: Film preservatives

Assessment status: Initial application for approval in progress.

Product-type 8: Film preservatives

Assessment status: Approved

Commission Implementing Regulation (EU) 2011/66; Nomenclature IUPAC: Terbutryn

Nomenclature BPR: Terbutryn

CAS number: 886-50-0

Product-type 7: Film preservatives

Assessment status: Initial application for approval in progress.

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

---

## SECTION 16: Other information

Code	Description
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
3.1/2/Inhal	Acute Tox. 2	Acute toxicity (inhalation), Category 2
3.1/3/Dermal	Acute Tox. 3	Acute toxicity (dermal), Category 3
3.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/1	Skin Corr. 1	Skin corrosion, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.4.2/1A	Skin Sens. 1A	Skin Sensitisation, Category 1A
3.9/1	STOT RE 1	Specific target organ toxicity — repeated exposure, Category 1
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3
EUH071		EUH071

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
---	--------------------------

Skin Sens. 1A, H317	Calculation method
---------------------	--------------------

Aquatic Chronic 3, H412	Calculation method
-------------------------	--------------------

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
CMR: Carcinogenic, Mutagenic and Reprotoxic  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DNEL: Derived No Effect Level.  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
ES: Exposure Scenario  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: Keep Away From Heat  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information

- SECTION 16: Other information