Safety Data Sheet

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

KERABLOCK ECO

Date of first edition: 7/2/2021

Safety Data Sheet dated 29/10/2026 version 8

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

1.1. Product identifier

Mixture identification:

Trade name: KERABLOCK ECO

Trade code: S100B0256 53

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

Recommended use: primer

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)

The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

Special Provisions:

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Dir. 2004/42/EC (VOC directive)

Primers

EU limit value for this product (cat. A/g): 30 g/l

This product contains max 0.12 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 >= 0.1%

Other Hazards: Contains biocidal product: C(M)IT/MIT (3:1); 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: KERABLOCK ECO

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

Qty	Name	Ident. Numb.	Classification	Registration Number
<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:

Wash with plenty of water and soap.

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

N.A.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

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.

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)

sodium hydroxide; caustic soda

CAS: 1310-73-2	ACGIH	Short Term: Ceiling - 2 mg/m3 Notes: URT, eye, and skin irr
	NATION AUSTRIA AL	Long Term: 2 mg/m3; Short Term: Ceiling - 4 mg/m3 Notes: 5(Mow), 8x, MAK, E Source: BGBl. II Nr. 156/2021
	NATION BELGIUM AL	Long Term: 2 mg/m3 Notes: M Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATION BULGARIA AL	Long Term: 2 mg/m3 Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATION CZECHIA AL	Long Term: 1 mg/m3; Short Term: Ceiling - 2 mg/m3 Notes: I Source: Nařízení vlády č. 361-2007 Sb
	NATION DENMARK AL	Short Term: Ceiling - 2 mg/m3 Notes: L Source: BEK nr 2203 af 29/11/2021
	NATION SPAIN AL	Short Term: 2 mg/m3 Source: LEP 2022
	NATION ESTONIA AL	Long Term: 1 mg/m3; Short Term: 2 mg/m3 Notes: * Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATION FINLAND AL	Short Term: Ceiling - 2 mg/m3 Notes: kattoarvo Source: HTP-ARVOT 2020
	NATION FRANCE AL	Long Term: 2 mg/m3 Source: INRS outil65

	NATIONAL	GREECE	Long Term: 2 mg/m3; Short Term: 2 mg/m3 Source: ΦΕΚ 94/Α` 13.5.1999
	NATIONAL	CROATIA	Short Term: 2 mg/m3 Source: NN 1/2021
	NATIONAL	HUNGARY	Long Term: 1 mg/m3; Short Term: 2 mg/m3 Notes: m, N Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	IRELAND	Short Term: 2 mg/m3 Source: 2021 Code of Practice
	NATIONAL	LITHUANIA	Short Term: Ceiling - 2 mg/m3 Notes: Ū Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL	LATVIA	Long Term: 0.5 mg/m3 Source: KN325P1
	NATIONAL	NORWAY	Short Term: Ceiling - 2 mg/m3 Notes: T Source: FOR-2021-06-28-2248
	NATIONAL	POLAND	Long Term: 0.5 mg/m3; Short Term: 1 mg/m3 Source: Dz.U. 2018 poz. 1286
	NATIONAL	ROMANIA	Long Term: 1 mg/m3; Short Term: 3 mg/m3
	NATIONAL	SLOVAKIA	Long Term: 2 mg/m3 Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATIONAL	SWEDEN	Long Term: 1 mg/m3; Short Term: 2 mg/m3 Notes: 3 Source: AFS 2021:3
	SUVA	SWITZERLAND	Long Term: 2 mg/m3; Short Term: 2 mg/m3 Notes: TWA mg/m3: (i), SSC, VRS Peau Yeux / OAW Haut Auge, NIOSH OSHA Source: suva.ch/valeurs-limites

Diiron trioxide

CAS: 1309-37-1	ACGIH	Long Term: 5 mg/m3 (8h) Notes: R, A4 - Pneumoconiosis
	NATIONAL AUSTRIA	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Notes: 60(Miw), 2x, MAK, A Source: GKV, BGBl. II Nr. 156/2021
	NATIONAL BELGIUM	Long Term: 5 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL BULGARIA	Long Term: 5 mg/m3 Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL DENMARK	Long Term: 3.5 mg/m3 Source: BEK nr 2203 af 29/11/2021
	NATIONAL SPAIN	Long Term: 5 mg/m3 Source: LEP 2022
	NATIONAL ESTONIA	Long Term: 3.5 mg/m3 Notes: 1 Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL FINLAND	Long Term: 5 mg/m3 Notes: Fe Source: HTP-ARVOT 2020
	NATIONAL FRANCE	Long Term: 5 mg/m3 Source: INRS outil65
	NATIONAL GREECE	Long Term: 10 mg/m3; Short Term: 10 mg/m3 Source: ΦΕΚ 94/Α` 13.5.1999
	NATIONAL CROATIA	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Source: NN 1/2021
		Long Term: 10 mg/m3

			Notes: U Source: NN 1/2021
			Long Term: 4 mg/m3 Notes: R Source: NN 1/2021
	NATIONAL	HUNGARY	Long Term: 4 mg/m3 Notes: resp, T Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	IRELAND	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Source: 2021 Code of Practice
			Long Term: 10 mg/m3 Source: 2021 Code of Practice
			Long Term: 4 mg/m3 Source: 2021 Code of Practice
	NATIONAL	LITHUANIA	Long Term: 3.5 mg/m3 Notes: Žiūrėti 1 priedo 3 punktą. Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL	NORWAY	Long Term: 3 mg/m3 Source: FOR-2021-06-28-2248
	NATIONAL	POLAND	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Notes: 4) Source: Dz.U. 2018 poz. 1286
			Long Term: 2.5 mg/m3; Short Term: 5 mg/m3 Notes: 6) Source: Dz.U. 2018 poz. 1286
	NATIONAL	ROMANIA	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Notes: (Fumuri, pulberi) Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SLOVAKIA	Long Term: 1.5 mg/m3 Notes: 11) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
			Long Term: 4 mg/m3 Notes: 10) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATIONAL	SWEDEN	Long Term: 3.5 mg/m3 Notes: 3 Source: AFS 2021:3
	WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
			Long Term: 10 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
			Long Term: 4 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	SUVA	SWITZERLAND	Long Term: 3 mg/m3 Notes: TWA mg/m3: (a), Formel / Formal, NIOSH Source: suva.ch/valeurs-limites
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-			Ethane-1,2-diol, ethoxylated
CAS: 25322-68-3	NATIONAL	GERMANY	Long Term: 200 mg/m3 Notes: DFG, Y, E, 2 (II) Source: TRGS 900
	NATIONAL	SLOVAKIA	Long Term: 1000 mg/m3 Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	SUVA	SWITZERLAND	Long Term: 500 mg/m3 Notes: SSC, Mcorp / KG Source: suva.ch/valeurs-limites

2-Aminoethanol; ethanolamine

CAS: 141-43-5	ACGIH	Long Term: 3 ppm (8h); Short Term: 6 ppm Notes: Eye and skin irr
	EU	Long Term: 2.5 mg/m3 - 1 ppm (8h); Short Term: 7.6 mg/m3 - 3 ppm Notes: Skin
	NATIONAL AUSTRIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: 15(Miw), 4x, MAK, Sh Source: GKV, BGBl. II Nr. 156/2021
	NATIONAL BELGIUM	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: D Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL BULGARIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Кожа Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL CYPRUS	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: δέρμα Source: Οι περί Ασφάλειας και Υγείας στην Εργασία (Χημικοί Παράγοντες) Κανονισμοί του 2001 έως 2021
	NATIONAL CZECHIA	Long Term: 2.5 mg/m3; Short Term: Ceiling - 7.5 mg/m3 Notes: I Source: Nařízení vlády č. 361-2007 Sb
	NATIONAL GERMANY	Long Term: 0.5 mg/m3 - 0.2 ppm Notes: DFG, EU, Y, Sh, H, 11, 1(I) Source: TRGS 900
	NATIONAL DENMARK	Long Term: 2.5 mg/m3 - 1 ppm Notes: EH Source: BEK nr 2203 af 29/11/2021
	NATIONAL SPAIN	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.5 mg/m3 - 3 ppm Notes: vía dérmica, VLI Source: LEP 2022
	NATIONAL ESTONIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: A Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL FINLAND	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: iho Source: HTP-ARVOT 2020
	NATIONAL FRANCE	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Risque de pénétration percutanée Source: INRS outil65, article R. 4412-149 du Code du travail
	NATIONAL GREECE	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Δ Source: ΦΕΚ 202/Α` 23.8.2007
	NATIONAL CROATIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: koža Source: 2006/15/EZ
	NATIONAL HUNGARY	Long Term: 2.5 mg/m3; Short Term: 7.6 mg/m3 Notes: b, EU2, T Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL IRELAND	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Sk, IOELV Source: 2021 Code of Practice
	NATIONAL ITALY	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Cute Source: D.lgs. 81/2008, Allegato XXXVIII
	NATIONAL LITHUANIA	Long Term: 8 mg/m3 - 3 ppm; Short Term: 15 mg/m3 - 6 ppm Notes: O Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL LUXEMBOURG	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Peau Source: Mémorial A n.226 du 22 mars 2021

	NATIONAL	LATVIA	Long Term: 0.5 mg/m3 - 0.2 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Āda Source: KN325P1
	NATIONAL	MALTA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: skin Source: S.L.424.24
	NATIONAL	NETHERLANDS	Long Term: 2.5 mg/m3; Short Term: 7.6 mg/m3 Notes: H Source: Arbeidsomstandighedenregeling - Lijst A
	NATIONAL	NORWAY	Long Term: 2.5 mg/m3 - 1 ppm Notes: H E Source: FOR-2021-06-28-2248
	NATIONAL	POLAND	Long Term: 2.5 mg/m3; Short Term: 7.5 mg/m3 Notes: skóra Source: Dz.U. 2018 poz. 1286
	NATIONAL	PORTUGAL	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Cutânea Source: Decreto-Lei n.º 1/2021
	NATIONAL	ROMANIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: P, Dir. 2006/15 Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SLOVAKIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: K Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATIONAL	SLOVENIA	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: K, Y, EU2 Source: UL št. 72, 11. 5. 2021
	NATIONAL	SWEDEN	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.5 mg/m3 - 3 ppm Notes: H Source: AFS 2021:3
	WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 2.5 mg/m3 - 1 ppm; Short Term: 7.6 mg/m3 - 3 ppm Notes: Sk Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	SUVA	SWITZERLAND	Long Term: 5 mg/m3 - 2 ppm; Short Term: 10 mg/m3 - 4 ppm Notes: S, Peau Fatigue Yeux / Haut Fatigue Auge, NIOSH, 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

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	AUSTRIA	Long Term: 0.05 mg/m3 Notes: MAK, Sh Source: GKV, BGBl. II Nr. 156/2021
	NATIONAL	GERMANY	Long Term: 0.2 mg/m3; Short Term: 0.4 mg/m3 Notes: DFG; Long term and short term: inhalable fraction Source: TRGS900
	SUVA	SWITZERLAND	Long Term: 0.2 mg/m3; Short Term: 0.4 mg/m3 Notes: TWA mg/m3: (i), S, SSC, VRS Peau Yeux / OAW Haut Auge Source: suva.ch/valeurs-limites

2,2' -oxybisethanol; diethylene glycol

CAS: 111-46-6	NATIONAL	AUSTRIA	Long Term: 44 mg/m3 - 10 ppm; Short Term: 176 mg/m3 - 40 ppm Notes: 15(Miw), 4x, MAK Source: GKV, BGBl. II Nr. 156/2021
	NATIONAL	GERMANY	Long Term: 44 mg/m3 - 10 ppm Notes: DFG, Y, 11, 4(II) Source: TRGS 900
	NATIONAL	DENMARK	Long Term: 11 mg/m3 - 2.5 ppm Source: BEK nr 2203 af 29/11/2021

	NATIONAL	ESTONIA	Long Term: 45 mg/m3 - 10 ppm; Short Term: 90 mg/m3 - 20 ppm Notes: A Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL	CROATIA	Long Term: 101 mg/m3 - 23 ppm Source: NN 1/2021
	NATIONAL	IRELAND	Long Term: 100 mg/m3 - 23 ppm Source: 2021 Code of Practice
	NATIONAL	LITHUANIA	Long Term: 45 mg/m3 - 10 ppm; Short Term: 90 mg/m3 - 20 ppm Notes: O Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL	LATVIA	Long Term: 10 mg/m3 Source: KN325P1
	NATIONAL	POLAND	Long Term: 10 mg/m3 Notes: 4) Source: Dz.U. 2018 poz. 1286
	NATIONAL	ROMANIA	Long Term: 500 mg/m3 - 115 ppm; Short Term: 800 mg/m3 - 184 ppm Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SLOVAKIA	Long Term: 44 mg/m3 - 10 ppm; Short Term: 90 mg/m3 - 20 ppm Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATIONAL	SLOVENIA	Long Term: 44 mg/m3 - 10 ppm; Short Term: 176 mg/m3 - 40 ppm Notes: Y Source: UL št. 72, 11. 5. 2021
	NATIONAL	SWEDEN	Long Term: 45 mg/m3 - 10 ppm; Short Term: 90 mg/m3 - 20 ppm Notes: H, V Source: AFS 2021:3
	WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 101 mg/m3 - 23 ppm Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	SUVA	SWITZERLAND	Long Term: 44 mg/m3 - 10 ppm; Short Term: 176 mg/m3 - 40 ppm Notes: SSC, 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

3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate

CAS: 55406-53-6	NATIONAL	GERMANY	Long Term: 0.058 mg/m3 - 0.005 ppm Notes: DFG, Y, Sh, 11, 2 (I) Source: TRGS 900
	NATIONAL	SLOVENIA	Long Term: 0.058 mg/m3 - 0.005 ppm; Short Term: 0.116 mg/m3 - 0.01 ppm Notes: Y Source: UL št. 72, 11. 5. 2021
	SUVA	SWITZERLAND	Long Term: 0.12 mg/m3 - 0.01 ppm; Short Term: 0.24 mg/m3 - 0.02 ppm Notes: 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

2-amino-2-methylpropanol

CAS: 124-68-5	NATIONAL	GERMANY	Long Term: 3.7 mg/m3 - 1 ppm Notes: DFG, H, Y, 11, 2(II) Source: TRGS 900
	NATIONAL	DENMARK	Long Term: 3 ppm Source: At-vejledning C.0.1-1
	NATIONAL	SLOVENIA	Long Term: 3.7 mg/m3 - 1 ppm; Short Term: 7.4 mg/m3 - 2 ppm Notes: K, Y Source: UL št. 72, 11. 5. 2021
	SUVA	SWITZERLAND	Long Term: 8.7 mg/m3 - 2.4 ppm; Short Term: 17.4 mg/m3 - 4.8 ppm Notes: R/H, SSC, Foie / Leber, La substance peut être présente sous forme de vapeur et d'aérosol e même temps / Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen Source: suva.ch/valeurs-limites

zinc oxide

CAS: 1314-13-2	ACGIH	Long Term: 2 mg/m3 (8h); Short Term: 10 mg/m3 Notes: R - Metal fume fever
	NATION AUSTRIA AL	Long Term: 5 mg/m3 Notes: MAK, A Source: BGBl. II Nr. 156/2021
	NATION BELGIUM AL	Long Term: 2 mg/m3; Short Term: 10 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATION BULGARIA AL	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATION CZECHIA AL	Long Term: 2 mg/m3; Short Term: Ceiling - 5 mg/m3 Source: Nařízení vlády č. 361-2007 Sb
	NATION DENMARK AL	Long Term: 4 mg/m3 Source: BEK nr 2203 af 29/11/2021
	NATION SPAIN AL	Long Term: 2 mg/m3; Short Term: 10 mg/m3 Notes: d Source: LEP 2022
	NATION ESTONIA AL	Long Term: 5 mg/m3 Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATION FINLAND AL	Long Term: 2 mg/m3; Short Term: 10 mg/m3 Source: HTP-ARVOT 2020
	NATION FRANCE AL	Long Term: 5 mg/m3 Source: INRS outil65
		Long Term: 10 mg/m3 Source: INRS outil65
	NATION GREECE AL	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Source: ΦΕΚ 94/Α` 13.5.1999
	NATION CROATIA AL	Long Term: 2 mg/m3; Short Term: 10 mg/m3 Notes: GVI: R Source: NN 1/2021
	NATION HUNGARY AL	Long Term: 5 mg/m3 Notes: i, N Source: 5/2020. (II. 6.) ITM rendelet
		Long Term: 5 mg/m3 Notes: i, R Source: 5/2020. (II. 6.) ITM rendelet
	NATION IRELAND AL	Long Term: 2 mg/m3; Short Term: 10 mg/m3 Notes: OEL (8-hour reference period) : R Source: 2021 Code of Practice
	NATION LITHUANIA AL	Long Term: 5 mg/m3 Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATION LATVIA AL	Long Term: 0.5 mg/m3 Source: KN325P1
	NATION NORWAY AL	Long Term: 5 mg/m3 Source: FOR-2021-06-28-2248
	NATION POLAND AL	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Notes: 4) Source: Dz.U. 2018 poz. 1286
	NATION ROMANIA AL	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Notes: (Fumuri) Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATION SLOVAKIA AL	Long Term: 1 mg/m3; Short Term: 1 mg/m3 Notes: 11) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATION SWEDEN AL	Long Term: 5 mg/m3 Notes: 3 Source: AFS 2021:3

	SUVA	SWITZERLAND	Long Term: 3 mg/m3; Short Term: 3 mg/m3 Notes: TWA mg/m3: (a), Fimétal / Metallrauch, NIOSH OSHA Source: suva.ch/valeurs-limites

Barium sulfate

CAS: 7727-43-7	ACGIH		Long Term: 5 mg/m3 (8h) Notes: I, E - Pneumoconiosis
	NATIONAL	BELGIUM	Long Term: 5 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	BULGARIA	Long Term: 10 mg/m3 Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL	SPAIN	Long Term: 10 mg/m3 Notes: e Source: LEP 2022
	NATIONAL	CROATIA	Long Term: 10 mg/m3 Notes: U Source: NN 1/2021
			Long Term: 4 mg/m3 Notes: R Source: NN 1/2021
	NATIONAL	IRELAND	Long Term: 5 mg/m3 Source: 2021 Code of Practice
	NATIONAL	SLOVAKIA	Long Term: 4 mg/m3 Notes: 10) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
			Long Term: 1.5 mg/m3 Notes: 11) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 10 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
			Long Term: 4 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	SUVA	SWITZERLAND	Long Term: 3 mg/m3 Notes: TWA mg/m3: (a), Formel / Formal Source: suva.ch/valeurs-limites

ethanediol; ethylene glycol

CAS: 107-21-1	ACGIH		Short Term: 10 mg/m3 Notes: I, H, A4 - URT irr
	EU		Long Term: 52 mg/m3 - 20 ppm (8h); Short Term: 104 mg/m3 - 40 ppm Notes: Skin
	NATIONAL	AUSTRIA	Long Term: 26 mg/m3 - 10 ppm; Short Term: Ceiling - 52 mg/m3 - 20 ppm Notes: 5(Mow), 8x, MAK, H Source: BGBl. II Nr. 156/2021
	NATIONAL	BELGIUM	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: D, M Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	BULGARIA	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: Кожа Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL	CYPRUS	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: δέρμα Source: Οι περί Ασφάλειας και Υγείας στην Εργασία (Χημικοί Παράγοντες) Κανονισμοί του 2001 έως 2021
	NATIONAL	CZECHIA	Long Term: 50 mg/m3; Short Term: Ceiling - 100 mg/m3 Notes: D Source: Nařízení vlády č. 361-2007 Sb

NATIONAL	GERMANY	Long Term: 26 mg/m3 - 10 ppm Notes: DFG, EU, H, Y, 11, 2(I) Source: TRGS 900
NATIONAL	DENMARK	Long Term: 26 mg/m3 - 10 ppm Notes: EH Source: BEK nr 2203 af 29/11/2021 Long Term: 10 mg/m3 Source: BEK nr 2203 af 29/11/2021
NATIONAL	SPAIN	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: vía dérmica, VLI Source: LEP 2022
NATIONAL	ESTONIA	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: A, 18 Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
NATIONAL	FINLAND	Long Term: 50 mg/m3 - 20 ppm; Short Term: 100 mg/m3 - 40 ppm Notes: iho Source: HTP-ARVOT 2020
NATIONAL	FRANCE	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: Risque de pénétration percutanée Source: INRS outil65, arrêté du 30-06-2004 modifié
NATIONAL	GREECE	Long Term: 125 mg/m3 - 50 ppm; Short Term: 125 mg/m3 - 50 ppm Source: ΦΕΚ 94/Α` 13.5.1999
NATIONAL	HUNGARY	Long Term: 52 mg/m3; Short Term: 104 mg/m3 Notes: b, i, EU1, N Source: 5/2020. (II. 6.) ITM rendelet
NATIONAL	IRELAND	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: Sk, IOELV Source: 2021 Code of Practice
NATIONAL	ITALY	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: Cute Source: D.lgs. 81/2008, Allegato XXXVIII
NATIONAL	LITHUANIA	Long Term: 25 mg/m3 - 10 ppm; Short Term: 50 mg/m3 - 20 ppm Notes: O, Šis RD taikomas bendrai garų ir aerozolio koncentracijai. Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
NATIONAL	LUXEMBOURG	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: Peau Source: Mémorial A n.226 du 22 mars 2021
NATIONAL	LATVIA	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: Āda Source: KN325P1
NATIONAL	MALTA	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: skin Source: S.L.424.24
NATIONAL	NETHERLANDS	Long Term: 52 mg/m3; Short Term: 104 mg/m3 Notes: H Source: Arbeidsomstandighedenregeling - Lijst A Long Term: 10 mg/m3; Short Term: 104 mg/m3 Notes: H Source: Arbeidsomstandighedenregeling - Lijst A
NATIONAL	NORWAY	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: H E 5 S Source: FOR-2021-06-28-2248
NATIONAL	POLAND	Long Term: 15 mg/m3; Short Term: 50 mg/m3 Notes: skóra Source: Dz.U. 2018 poz. 1286
NATIONAL	PORTUGAL	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: Cutânea Source: Decreto-Lei n.º 1/2021
NATIONAL	ROMANIA	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: P, Dir. 2000/39

		Source: Republicarea 1 - nr. 743 din 29 iulie 2021
NATIONAL	SLOVAKIA	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: K Source: 355 NARIADENIE VLÁDY z 10. mája 2006
NATIONAL	SLOVENIA	Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: K, Y, EU1 Source: UL št. 72, 11. 5. 2021
NATIONAL	SWEDEN	Long Term: 25 mg/m3 - 10 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: H, 26 Source: AFS 2021:3
WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 10 mg/m3 Notes: Sk Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
		Long Term: 52 mg/m3 - 20 ppm; Short Term: 104 mg/m3 - 40 ppm Notes: Sk Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
SUVA	SWITZERLAND	Long Term: 26 mg/m3 - 10 ppm; Short Term: 52 mg/m3 - 20 ppm Notes: R/H, SSC, VRS Yeux / OAW Auge, 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

Predicted No Effect Concentration (PNEC) values

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: Fresh Water; PNEC Limit: 3.39 mg/m3

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 3.39 mg/m3

Exposure Route: Marine water; PNEC Limit: 3.39 mg/m3

Exposure Route: Intermittent releases (marine water); PNEC Limit: 3.39 mg/m3

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 230 mg/m3

Exposure Route: Freshwater sediments; PNEC Limit: 27 mg/m3

Exposure Route: Marine water sediments; PNEC Limit: 27 mg/m3

Exposure Route: Soil; PNEC Limit: 10 mg/m3

Derived No Effect Level (DNEL) values

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: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Professional: 20 µg/m³; Consumer: 20 µg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Professional: 40 µg/m³; Consumer: 20 µg/m³

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 with side protection.(EN166)

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Nitrile rubber .

Respiratory protection:

N.A.

Thermal Hazards:

Not expected if used as intended

Environmental exposure controls:

Prevent the product from entering sewers or surface and underground water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Red
Odour:	Light
pH:	=5.90
Kinematic viscosity:	Not Relevant Notes: 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:	Not Applicable
Lower and upper explosion limit:	Not Relevant Notes: Not applicable as the mixture is not flammable
Relative vapour density:	N.A.
Vapour pressure:	N.A.
Density and/or relative density:	1.00 g/cm3
Solubility in water:	N.A.
Solubility in oil:	Not Relevant Notes: Not determined, as it is not required for CLP classification
Partition coefficient n-octanol/water (log value):	Not Relevant Notes: Not applicable to mixtures
Auto-ignition temperature:	Not Relevant Notes: Not applicable as the mixture is not flammable
Decomposition temperature:	Not Relevant Notes: Not applicable, as the mixture is not self-reactive
Flammability:	Not Relevant Notes: Not applicable as the mixture is not flammable
Volatile Organic compounds - VOCs =	0.01%; 0.12g/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	Not classified
	Based on available data, the classification criteria are not met
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:

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

CAS: 55965-84-9	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 >= 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:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

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

CAS: 55965-84-9	a) Aquatic acute toxicity: LC50 Fish Oncorhynchus mykiss = 0.19 mg/L 96h
	b) Aquatic chronic toxicity: NOEC Fish Danio rerio = 0.02 mg/L
	a) Aquatic acute toxicity: LC50 Daphnia Daphnia magna = 0.16 mg/L 48h
	b) Aquatic chronic toxicity: NOEC Daphnia Daphnia magna = 0.1 mg/L
	a) Aquatic acute toxicity: EC50 Algae Skeletonema costatum = 0 mg/L 96h
	a) Aquatic acute toxicity: EC50 Sludge activated sludge = 4.5 mg/L 3h

d) Terrestrial toxicity: LC50 Worm Eisenia fetida = 613 mg/kg

e) Plant toxicity: NOEC Trifolium pratense, Oryza sativa, Brassica napus = 1000 mg/L

12.2. Persistence and degradability

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

CAS: 55965-84-9 Non-readily biodegradable

12.3. Bioaccumulative potential

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

CAS: 55965-84-9	Bioaccumulative	Test: BCF - Bioconcentrantion factor; Value: 54 Notes: ≤ 54

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration >= 0.1%

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 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.

The product disposed of as such, pursuant to Regulation (EU) 1357/2014, must be classified as non-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 (EU) n. 2020/878

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. 2024/2564 (ATP 22 CLP)
Regulation (EU) n. 2024/2865	Regulation (EU) n. 2025/1222 (ATP 23 CLP)

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: None.

Restrictions related to the substances contained: 28, 30, 40, 70, 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.

Class 3: extremely hazardous.

German Lagerklasse according to TRGS 510:

LGK 10

SVHC Substances:

No SVHC substances present in concentration >= 0.1%

Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 0.01 %
Volatile Organic compounds - VOCs = 0.12 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

15.2. Chemical safety assessment

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

SECTION 16: Other information

Code	Description
EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H310	Fatal 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.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
3.1/2/Dermal	Acute Tox. 2	Acute toxicity (dermal), Category 2
3.1/2/Inhal	Acute Tox. 2	Acute toxicity (inhalation), Category 2
3.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
3.2/1C	Skin Corr. 1C	Skin corrosion, Category 1C
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1A	Skin Sens. 1A	Skin Sensitisation, Category 1A
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1

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:

- Safety Data Sheet
- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 15: Regulatory information
- SECTION 16: Other information