



Safety Data Sheet according to Regulation (EC) No 1907/2006

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Ponal Lackleim ProfiLeimer

SDS No. : 124416

V005.0

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

1.1. Product identifier

Ponal Lackleim ProfiLeimer

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

Intended use:

Wood adhesives

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

Henkelstr. 67

40589 Düsseldorf

Germany

Phone: +49 211 797 0

Fax-no.: +49 211 798 2009

ua-productsafety.de@henkel.com

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

Further information is available at Poison Control Centers.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Chronic hazards to the aquatic environment

H412 Harmful to aquatic life with long lasting effects.

Category 3

2.2. Label elements

Label elements (CLP):

Hazard statement: H412 Harmful to aquatic life with long lasting effects.

Supplemental information Contains preservative(s): Isothiazolinone mixture 3:1 (CIT/MIT). May produce an allergic reaction.

Precautionary statement: P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.

Precautionary statement: P262 Do not get in eyes, on skin, or on clothing.
Prevention P273 Avoid release to the environment.

Precautionary statement: P501 Dispose of contents/container in accordance with national regulation.
Disposal

2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General chemical description:

Adhesive, water-based

Base substances of preparation:

Polyurethane

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Methyl oxirane polymer with oxirane, monobutyl ether 9038-95-3		1- < 5 %	Eye Irrit. 2 H319
2-Dimethylaminoethanol 108-01-0	203-542-8 01-2119492298-24	0,1- < 1 %	Acute Tox. 3; Inhalation H331 Acute Tox. 4; Oral H302 Flam. Liq. 3 H226 Acute Tox. 4; Dermal H312 Skin Corr. 1B H314
Triethylamine 121-44-8	204-469-4 01-2119475467-26	0,1- < 1 %	Acute Tox. 3; Dermal H311 Acute Tox. 3; Inhalation H331 Flam. Liq. 2 H225 Skin Corr. 1A H314 Acute Tox. 4; Oral H302 STOT SE 3 H335
2-Butyl-1,2-benzothiazol-3(2H)-one 4299-07-4	420-590-7	0,025- < 0,25 %	Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Skin Corr. 1B H314 M factor (Acute Aquat Tox): 10 M factor (Chron Aquat Tox): 10
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9		0,0001- < 0,0015 % (1 ppm- < 15 ppm)	Acute Tox. 2 H330 Acute Tox. 3 H301 Acute Tox. 2 H310 Skin Corr. 1B H314 Skin Sens. 1A H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 M factor (Acute Aquat Tox): 100 M factor (Chron Aquat Tox): 10

**For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.**

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

No data available.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

Danger of slipping on spilled product.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid skin and eye contact.

Ensure that workrooms are adequately ventilated.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Frost-sensitive

Ensure good ventilation/extraction.

Store frost-free.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

Wood adhesives

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational Exposure Limits**Valid for
Germany

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Dimethyl sulfoxide 67-68-5			Skin designation:	Can be absorbed through the skin.	TRGS 900
Dimethyl sulfoxide 67-68-5	50	160	Exposure limit(s):	2 Even if the AGW and BGW values are complied with, there still may be a risk of reproductive damage (see Number 2.7).	TRGS 900
Dimethyl sulfoxide 67-68-5			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
Triethylamine 121-44-8 [TRIETHYLAMINE]			Skin designation:	Can be absorbed through the skin.	ECTLV
Triethylamine 121-44-8 [TRIETHYLAMINE]	2	8,4	Time Weighted Average (TWA):	Indicative	ECTLV
Triethylamine 121-44-8 [TRIETHYLAMINE]	3	12,6	Short Term Exposure Limit (STEL):	Indicative	ECTLV
Triethylamine 121-44-8	1	4,2	Exposure limit(s):	2	TRGS 900
Triethylamine 121-44-8			Skin designation:	Can be absorbed through the skin.	TRGS 900
Triethylamine 121-44-8			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
2-Dimethylaminoethanol 108-01-0	aqua (freshwater)		0,0661 mg/l				
2-Dimethylaminoethanol 108-01-0	aqua (marine water)		0,00661 mg/l				
2-Dimethylaminoethanol 108-01-0	aqua (intermittent releases)		0,0661 mg/l				
2-Dimethylaminoethanol 108-01-0	sediment (freshwater)				0,0529 mg/kg		
2-Dimethylaminoethanol 108-01-0	soil				0,0177 mg/kg		
2-Dimethylaminoethanol 108-01-0	sewage treatment plant (STP)		10 mg/l				
Triethylamine 121-44-8	aqua (freshwater)		0,064 mg/l				
Triethylamine 121-44-8	aqua (marine water)		0,0064 mg/l				
Triethylamine 121-44-8	sewage treatment plant (STP)		100 mg/l				
Triethylamine 121-44-8	sediment (freshwater)				0,1992 mg/kg		
Triethylamine 121-44-8	soil				2,361 mg/kg		
Triethylamine 121-44-8	aqua (intermittent releases)		0,064 mg/l				

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
2-Dimethylaminoethanol 108-01-0	Workers	dermal	Long term exposure - systemic effects		1,04 mg/kg	
2-Dimethylaminoethanol 108-01-0	Workers	Inhalation	Long term exposure - systemic effects		7,4 mg/m ³	
2-Dimethylaminoethanol 108-01-0	General population	inhalation	Long term exposure - systemic effects		2,2 mg/m ³	
2-Dimethylaminoethanol 108-01-0	Workers	inhalation	Acute/short term exposure - systemic effects		22 mg/m ³	
2-Dimethylaminoethanol 108-01-0	Workers	dermal	Acute/short term exposure - systemic effects		5 mg/kg	
2-Dimethylaminoethanol 108-01-0	Workers	inhalation	Long term exposure - local effects		7,4 mg/m ³	
2-Dimethylaminoethanol 108-01-0	Workers	inhalation	Acute/short term exposure - local effects		22 mg/m ³	
Triethylamine 121-44-8	Workers	Inhalation	Acute/short term exposure - systemic effects		12,6 mg/m ³	
Triethylamine 121-44-8	Workers	Inhalation	Acute/short term exposure - local effects		12,6 mg/m ³	
Triethylamine 121-44-8	Workers	Inhalation	Long term exposure - systemic effects		8,4 mg/m ³	
Triethylamine 121-44-8	Workers	Inhalation	Long term exposure - local effects		8,4 mg/m ³	
Triethylamine 121-44-8	Workers	dermal	Long term exposure - systemic effects		12,1 mg/kg	

Biological Exposure Indices:

None

8.2. Exposure controls:**Respiratory protection:**

Suitable breathing mask when there is inadequate ventilation.

Combination filter: ABEKP (EN 14387)

This recommendation should be matched to local conditions.

Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.

material thickness > 0.4 mm

Perforation time > 30 minutes

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

Skin protection:

Suitable protective clothing

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	dispersion liquid white
Odor	specific
Odour threshold	No data available / Not applicable
pH (20 °C (68 °F))	8 - 9,5
Melting point	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Initial boiling point	100 °C (212 °F)
Flash point	No flash point up to 100°C. Aqueous preparation.
Evaporation rate	No data available / Not applicable
Flammability	No data available / Not applicable
Explosive limits	The product is not explosive.
Vapour pressure	No data available / Not applicable
Relative vapour density:	No data available / Not applicable
Density (20 °C (68 °F))	1,03 g/cm ³
Bulk density	No data available / Not applicable
Solubility	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	fully miscible
Partition coefficient: n-octanol/water	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Viscosity (Brookfield; Instrument: RVT; 20 °C (68 °F); speed of rotation: 20 min ⁻¹ ; Spindle No: 5)	4.500 - 20.000 mPa.s
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Oxidising properties	No data available / Not applicable
Solid content	48,5 %

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

None if used for intended purpose.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information**General toxicological information:**

An allergic reaction cannot be excluded after repeated skin contact.

11.1. Information on toxicological effects**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
2-Dimethylaminoethanol 108-01-0	LD50	1.182,7 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Triethylamine 121-44-8	LD50	730 mg/kg	rat	BASF Test
2-Butyl-1,2-benzothiazol- 3(2H)-one 4299-07-4	LD50	> 2.000 mg/kg	rat	not specified
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	LD50	53 mg/kg	rat	not specified

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
2-Dimethylaminoethanol 108-01-0	LD50	1.219 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Triethylamine 121-44-8	LD50	580 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
2-Butyl-1,2-benzothiazol- 3(2H)-one 4299-07-4	LD50	> 2.000 mg/kg	rat	not specified
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	LD50	87,12 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
2-Dimethylaminoethanol 108-01-0	Acute toxicity estimate (ATE)	6,1 mg/l	vapour			Expert judgement
2-Dimethylaminoethanol 108-01-0	LC50	1641 ppm	vapour	4 d	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
Triethylamine 121-44-8	LC50	7,1 mg/l	vapour	4 h	rat	not specified
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	LC50	0,171 mg/l	dust/mist	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
2-Dimethylaminoethanol 108-01-0	corrosive		rabbit	OECD Guideline 404 (Acute Dermal Irritation/ Corrosion)
Triethylamine 121-44-8	corrosive		rabbit	OECD Guideline 404 (Acute Dermal Irritation/ Corrosion)
2-Butyl-1,2-benzothiazol- 3(2H)-one 4299-07-4	corrosive	4 h		not specified
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	corrosive			not specified

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
2-Dimethylaminoethanol 108-01-0	highly irritating		rabbit	not specified
Triethylamine 121-44-8	highly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation/ Corrosion)

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
2-Dimethylaminoethanol 108-01-0	ambiguous		mouse	not specified
2-Butyl-1,2-benzothiazol- 3(2H)-one 4299-07-4	sensitising			not specified
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	Sensitizing		guinea pig	not specified

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study/ Route of administration	Metabolic activation/ Exposure time	Species	Method
2-Dimethylaminoethanol 108-01-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Triethylamine 121-44-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Triethylamine 121-44-8	negative	sister chromatid exchange assay in mammalian cells	with and without		Sister Chromatid Exchange Assay

Carcinogenicity

No data available.

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
2-Butyl-1,2-benzothiazol-3(2H)-one 4299-07-4	NOAEL P 600 ppm NOAEL F1 1700 ppm	Two generation study	oral: feed	rat	not specified

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
2-Dimethylaminoethanol 108-01-0	NOAEL 0,18	oral: feed	90 days daily	rat	not specified
2-Dimethylaminoethanol 108-01-0	NOAEL 24 mg/l	inhalation	13 weeks 6 h/d, 5 d/w	rat	not specified
2-Butyl-1,2-benzothiazol-3(2H)-one 4299-07-4	NOAEL 15 mg/kg		90 d daily	rat	not specified

Aspiration hazard:

No data available.

SECTION 12: Ecological information

General ecological information:

Do not empty into drains, soil or bodies of water.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Methyl oxirane polymer with oxirane, monobutyl ether 9038-95-3	LC50	> 1.000 mg/l	96 h	not specified	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-Dimethylaminoethanol 108-01-0	LC50	81 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Triethylamine 121-44-8	LC50	43,7 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-Butyl-1,2-benzothiazol-3(2H)-one 4299-07-4	LC50	0,15 mg/l	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	LC50	0,22 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	NOEC	0,098 mg/l	28 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early life stage toxicity test)

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
2-Dimethylaminoethanol 108-01-0	EC50	98,77 mg/l	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
Triethylamine 121-44-8	EC50	200 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-Butyl-1,2-benzothiazol-3(2H)-one 4299-07-4	EC50	0,093 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	EC50	0,12 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	NOEC	0,0036 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
2-Dimethylaminoethanol 108-01-0	EC50	35 mg/l	72 h	Scenedesmus sp.	OECD Guideline 201 (Alga, Growth Inhibition Test)
Triethylamine 121-44-8	EC50	> 1 mg/l	96 h	Scenedesmus quadricauda	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-Butyl-1,2-benzothiazol- 3(2H)-one 4299-07-4	ErC50	0,45 mg/l	72 h		OECD Guideline 201 (Alga, Growth Inhibition Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	EC50	0,0052 mg/l	48 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	NOEC	0,00064 mg/l	48 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
2-Dimethylaminoethanol 108-01-0	EC10	> 8.000 mg/l	16 h		not specified
Triethylamine 121-44-8	EC10	71 mg/l	17 h		DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm- Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	EC20	0,97 mg/l	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
2-Dimethylaminoethanol 108-01-0		aerobic	> 90 %	13 d	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
Triethylamine 121-44-8	readily biodegradable	aerobic	96 %	21 d	ISO 7827 (Evaluation in an Aqueous Medium of the "Ultimate" Aerobic Biodegradability of Organic Compounds Method by Analysis of Dissolved Organic Carbon (DOC))
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	inherently biodegradable	aerobic	100 %	28 d	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	readily biodegradable	aerobic	> 60 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential

Hazardous substances CAS-No.	Bioconcentratio n factor (BCF)	Exposure time	Temperature	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	3,6			calculation	QSAR (Quantitative Structure Activity Relationship)

12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Temperature	Method
2-Dimethylaminoethanol 108-01-0	-0,55	23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol/ water), Shake Flask Method)
Triethylamine 121-44-8	1,45		not specified
2-Butyl-1,2-benzothiazol- 3(2H)-one 4299-07-4	2,86		not specified
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	-0,71 - 0,75	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol/ water), HPLC Method)

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT/ vPvB
2-Dimethylaminoethanol 108-01-0	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Triethylamine 121-44-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

080409

SECTION 14: Transport information

14.1. UN number

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content 0 %
(VOCV 814.018 VOC regulation
CH)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK: 1, slightly water-endangering product. (German VwVwS of May 17, 1999)
Classification in conformity with the calculation method
WGK: WGK = 1, slightly water endangering mixture. Classification according to the
mixture rules in German AwSV regulation annex 1, number 5.2 from 18. April
2017.

Storage class according to TRGS 510: 10

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310 Fatal in contact with skin.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.