

# Safety data sheet

according to Regulation (EC) No 1272/2008 (REACH)

edelPerformance Primer  
Status 08.2018

edelundstein<sup>+</sup>  
FOR YOUR WALLS AND FLOORS

version: 1

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

### 1.1 Product identifier

Description edelPerformance Primer

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

Description/Use Transparent protective layer

### 1.3. details of the supplier providing the safety data sheet

Company name	edelundstein GmbH
Address	Einsteinstraße 12
Location and country	33104 Paderborn GERMANY
	Phone +49 5254 9330731
	fax +49 5254 9330733

E-mail of the competent person, [info@edel-und-stein.com](mailto:info@edel-und-stein.com)  
who is responsible for the safety data sheet.

### 1.4 Emergency number

For urgent information please contact; Technical Information: Dr. Felix Ferlemann +49 170 / 7362924

## SECTION 2 Potential hazards

### 2.1 Classification of the substance or mixture.

The product is not classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP). However, as the product contains hazardous substances in a concentration that must be indicated in section 3, a safety data sheet must be prepared in accordance with Regulation (EC) 1907/2006 and subsequent amendments.

Classification and hazard statements: -

#### 2.1.1 Regulation 1272/2008 (CLP) and subsequent amendments and adaptations.

Hazard classification and hazard information:

#### 2.1.2 Directive 67/548/EEC and 1999/45/EC and subsequent amendments and adaptations.

### 2.2. labelling elements.

Hazard labelling in accordance with Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adaptations.

Danger pictograms: -

Warnings: -

Danger warnings: Contains: Mixture of: 5-Chloro-2-methyl-2H-isothiazol-3-one; 2-Methyl-2H-isothiazol-3-one (3:1), 1,2-Benzisothiazol-3 (2H) -one. May cause allergic reactions

### 2.3. other risks.

On the basis of the available data, the product does not contain PBT and vPvB substances in amounts above 0,1 %.

## SECTION 3 Composition/information on ingredients

### 3.1. substances.

Information not relevant

### 3.2. mixtures.

Contains:

Labelling Concentration % (C) Classification 1272/2008 (CLP)  
2-BUTOXYETHANOL

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CAS. 111-76-2 1 - 5 Acute Tox. 4 H302  
Acute Tox. 4 H312  
Acute Tox. 4 H332  
Eye irritation. 2 H319  
Skin irritation. 2 H315  
CE. 203-905-0  
INDEX. 603-014-00-0  
No. Reg. 01-2119475108-36

Note: Upper value of the excluded range.  
The full text of the hazard statements (H-phrases) can be found in section 16 of the safety data sheet.

### SECTION 4 First aid measures

#### 4.1 Description of first aid measures.

**EYES:** Remove any contact lenses. Wash immediately and thoroughly with water for at least 15 minutes, opening the eyelids well. Consult a doctor if the problem persists.

**SKIN:** Dirty, soaked clothing must be removed. Wash yourself immediately and thoroughly with water. If irritation persists, consult a doctor. Contaminated clothing must be washed before reuse.

**INHALING:** The person concerned must be carried outside. If breathing is labored, consult a physician.

**INGESTION:** Consult a doctor immediately. Vomiting may only be induced on the doctor's orders. Nothing should be administered orally without the doctor's instructions or if the person concerned is unconscious.

#### 4.2 Main acute and delayed symptoms and effects.

For symptoms and effects of the substances contained, see chapter 11.

#### 4.3. references to emergency medical assistance or special treatment.

Data not available.

### SECTION 5 Fire-fighting measures

#### 5.1. extinguishing agents.

##### SUITABLE EXTINGUISHING AGENTS

The extinguishing agents are the usual ones: Carbon dioxide, foam, powder and water mist.

##### UNSUITABLE EXTINGUISHING AGENTS

No big deal.

#### 5.2 Special risks arising from the substance or mixture.

##### RISKS DUE TO EXPOSURE TO FIRE

Avoid inhalation of the combustion products. The product is flammable and can form explosive air-gas mixtures in the presence of sufficient concentrations of suspended particles and a source of ignition. The fire may ignite or be caused by any

The solid escaping from the container must be maintained when it reaches high temperatures or in contact with ignition sources.

#### 5.3. instructions for fire fighting.

Cool the containers with water jets to prevent the product from disintegrating and forming potentially harmful substances. Always wear complete fire protection clothing. Collect the extinguishing water, which must not be allowed to enter the sewerage system. Dispose of contaminated extinguishing water and fire residues in accordance with current regulations.

##### EQUIPMENT

Normal firefighting clothing, such as open-circuit compressed air breathing apparatus (EN 137), flameproof suit (EN 469), flameproof gloves (EN 659) and firefighting boots (HO A29 or A30).

### SECTION 6 Accidental release measures

#### 6.1. personal precautions, protective equipment and emergency procedures.

Contain the leakage if there is no danger.

Wear appropriate protective equipment (including personal protective equipment as specified in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These instructions apply both to workers and to emergency procedures.

#### 6.2 Environmental protection measures.

The product must be prevented from penetrating into waste water, surface water, ground water.

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### 6.3. methods and materials for retention and cleaning.

The spilled product must be collected by mechanical means that prevent sparking and must be transferred into containers for reuse or disposal. Residues are to be disposed of with water jets, unless there are contraindications.

Sufficient ventilation of the affected area must be provided. The materials of the containers according to para. 7 are to be checked for possible incompatibility. Contaminated material must be disposed of in accordance with the regulations under point 13.

### 6.4. reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7 Handling and storage

### 7.1. protective measures for safe handling.

Handle the product after reading all other sections of this MSDS. Do not release the product into the environment. Do not eat, drink or smoke in the workplace. Remove contaminated clothing and protective equipment before entering areas where food is eaten.

### 7.2. conditions for safe storage, taking into account incompatibilities

**Let us consider the applicability: TRGS 510.**

The product must be stored in clearly labelled containers. The containers must be kept away from any incompatible materials, with reference to section 10.

### 7.3 Specific end uses.

Data not available.

## SECTION 8 Exposure controls/personal protection

### 8.1 Parameters to be monitored.

Reference Manual Standards:

Legal bases:

AUS Austria Limit value regulation 2011 - GKV 2011

BEL Belgium Royal Decree of 11/3/2002. The list is updated for 2010

CHE Switzerland / Schweiz Workplace Exposure Limits 2012 / Grenzwerte on the job

CYP Κύπρος Κ.Δ.Π. 268/2001; Κ.Κ.Δ. 55/2004; Κ.Κ.Δ. 295/2007; Π.Δ.Κ. 70/2012

DEU Germany MAK and BAT values list 2012

ESP España INSHT - Límites de exposición profesional para agentes químicos en España 2015

FRA France JORF n°0109 of 10 May 2012 page 8773 text n° 102

GRB United Kingdom EH40/2005 Workplace exposure limits

GRC Ελλάδα ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012

IRL Éire Code of Practice Chemical Agent Regulations 2011

ITA Italia Decreto Legislativo 9 Aprile 2008, n.81

NLD Nederland Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18

POL Polska ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r

SVN Slovenija Uradni list Republike Slovenije 15. 6. 2007

EU OEL EU Directive 2009/161/EC; Directive 2006/15/EC; Directive 2004/37/EC;

Directive 2000/39/EC.

TLV-ACGIH ACGIH 2014

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## Threshold limit value

TYPE	STATE	TWA/8h				STEL/15min
mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>				ppm
MAK	OFF	98	20	200	40	SKIN.
VLEP	BEL	98	20	246	50	SKIN.
VEL	CHE	49	10	98	20	SKIN.
MAK	CHE	49	10	98	20	SKIN.
TLV	CYP	98	20	246	50	SKIN.
AGW	DEU	49	10	196	40	SKIN.
MAK	DEU	49	10	98	20	SKIN.
VLA	ESP	98	20	245	50	SKIN.
VLEP	FRA	49	10	246	50	SKIN.
WEL	GRB	123	25	246	50	SKIN.
TLV	GRC			120		25
OEL	IRL	98	20	246	50	SKIN.
TLV	ITA	98	20	246	50	SKIN.
OEL	NLD		100	246		SKIN.
NDS	POL		98			200
MV	SVN	98		20		SKIN.
OEL	EU	98	20	246	50	SKIN.
TLV - ACGIH		97		20		

## 8.2 Exposure controls and monitoring.

In view of the fact that the use of appropriate technical measures should always take priority over personal protective equipment, good ventilation of the workplace must be ensured by effective local exhaust ventilation.

If necessary, consult your chemical suppliers when selecting personal protective equipment.

The personal protective equipment must be marked with the CE mark, which proves that it complies with the applicable standards.

**HAND PROTECTION:** Protect hands with category III gloves (see standard EN 374). The following aspects must be taken into account when making the final choice of material for working gloves: compatibility, degradation, breakthrough time and permeation. In the case of preparations, the resistance of the working gloves to chemicals must be tested before use, as it is not predictable. Gloves have a certain wear time, which depends on the duration and type of use.

**SKIN PROTECTION:** Wear long-sleeved working clothes and category I accident prevention footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash yourself with soap and water after taking off the protective clothing.

**EYE PROTECTION:** It is recommended to wear tight-fitting safety glasses (see standard EN 166).

**RESPIRATION:** If the threshold value (e.g. TLV-TWA) of one or more substances contained in the product is exceeded, it is recommended to wear a respiratory mask with type A filter, the class (1, 2 or 3) of which must be selected according to the concentration limit (see standard EN 14387). If gases or vapours of other types and/or gases or vapours containing particles (aerosols, smoke, mist, etc.) are present, combined filters must be provided.

Respiratory protection must be used if the technical measures taken are not sufficient to limit workers' exposure to the threshold value under consideration. However, the protection provided by masks is limited.

If the substance in question is odourless or the odour perception threshold is above the corresponding TLV-TWA, or in an emergency wear open-circuit compressed air respirator (see standard EN 137) or a respirator with external air supply (see standard EN 138). For the correct choice of respirator please refer to standard EN 529.

**LIMITATION AND MONITORING OF THE ENVIRONMENTAL POSITION:** Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental legislation.

## SECTION 9 Physical and chemical properties

### 9.1. information on the basic physical and chemical properties.

PHYSICAL STATE Not available  
COLOR Not available

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SMELL	Not available
ODOR THRESHOLD	Not available
pH value	Not available
MELTING OR FREEZING POINT	Not available
BOTTOM BOILING POINT	Not available
BOILING INTERVAL	Not available
FLAME POINT	> 60 °C
EVAPORATION RATE	Not available
FLAMMABILITY OF SOLIDS AND GAS	Not available
LOWER FLAMMABILITY LIMIT	Not available
UPPER FLAMMABILITY LIMIT	Not available
LOWER EXPLOSION LIMIT	Not available
UPPER EXPLOSION LIMIT	Not available
STEAM PRESSURE	Not available
STEAMPROOF	Not available
RELATIVE DENSITY	1,000 kg/l
SOLUBILITY	Not available
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not available
SELF-IGNITION TEMPERATURE	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY	Not available
EXPLOSION PROPERTIES	Not available
OXIDATION PROPERTIES	Not available

## 9.2 Other information.

VOC content (Directive 1999/13/EC): 1,00 % - 10,00 g/litre  
VOC (volatile carbon) : 0,61 % - 6,09 g/litre.

## SECTION 10 Stability and reactivity

### 10.1. Reactivity.

Under normal conditions of use, there are no particular dangers of reaction with other substances.  
2-BUTTOXYETHANOL: Decomposes due to heat.

### 10.2 Chemical stability.

The product is stable under normal processing and storage conditions.

### 10.3. possibility of dangerous reactions.

Under normal conditions of use and storage no dangerous reactions are expected.  
2-BUTOXYETHANOL: May react dangerously with: aluminum, oxidizing agents. Forms peroxides with air...

### 10.4 Conditions to be avoided.

Nothing special. However, the usual caution with chemical products should be observed.  
2-BUTOXYETHANOL: Avoid exposure to heat sources and open flames.

### 10.5. incompatible materials.

Data not available.

### 10.6. hazardous decomposition products.

2-BUTTOXYETHANOL: Hydrogen.

## SECTION 11 Toxicological information

### 11.1. information on toxicological effects.

In the absence of experimental toxicological data on the product itself, the potential health risks of the product have been assessed on the basis of the properties of the substances contained in the product in accordance with the criteria laid down in the relevant legislation for classification.

Therefore, consider the concentration of each hazardous substance that may be listed in section 3 to assess the toxicological effects of exposure to the product.

The product contains sensitizing substance(s) and may therefore cause an allergic reaction.

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## 2-BUTOXYETHANOL

LD50 (Swallowing)	615 mg/kg Council
LD50 (skin)	405 mg/kg Rabbit
LC50 (Inhalation)	2,2 mg/l/4h Council

## SECTION 12 Environmental information

Use in accordance with good working practice and avoid release of the product into the environment. Notify the competent authorities if the product enters watercourses or drains or has contaminated soil or vegetation.

### 12.1. Toxicity.

#### 2-BUTOXYETHANOL

LC50 - Fish	1474 mg/l/ exposure duration: 96h
EC50 - Crustaceans	1550 mg/l/ exposure duration: 48h
EC50 - Algae / aquatic plants	1840 mg/l/ exposure duration: 72h

### 12.2. persistence and degradability.

#### 2-BUTOXYETHANOL

Water solubility mg/l 1000 - 10000  
Quickly biodegradable.

### 12.3. Bioaccumulation potential.

#### 2-BUTOXYETHANOL

Partition coefficient: n-octanol/water: 0,81

### 12.4. mobility in the soil.

Data not available.

### 12.5 Results of the PBT and vPvB assessment.

On the basis of the available data, the product does not contain PBT and vPvB substances in amounts above 0,1 %.

### 12.6. other adverse effects.

Data not available.

## SECTION 13. disposal instructions

### 13.1. waste treatment procedures.

Reuse if possible. Product residues are to be regarded as non-hazardous hazardous waste. Disposal must be carried out by a company approved for waste management in compliance with national and, if applicable, local regulations.

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### CONTAMINATED PACKAGING MATERIAL

Contaminated packaging material must be recycled or disposed of in accordance with national waste management regulations.

## SECTION 14. transport information

The product is not dangerous, according to the regulations in force in the field of road transport of dangerous goods (A.D.R.), rail transport (RID), sea transport (IMDG Code) and air transport (IATA).

14.1. UN number Not applicable.

14.2 UN proper shipping name Not applicable.

14.3. transport hazard classes Not applicable.

14.4. packing group Not applicable.

14.5 Environmental hazards Not applicable.

14.6 Special precautions for users Not applicable.

14.7. carriage in bulk in accordance with Annex II of MARPOL 73/78 and the IBC Code  
Information not relevant.

## SECTION 15 Legislation

### 15.1. safety, health and environmental protection requirements/specific legislation for the substance or mixture.

Seveso category. None.

Restrictions on the product or substances according to Annex XVII Regulation (EC) 1907/2006.

Contained substances.

None

Substances according to Candidate List (Article 59 REACH).

None

Substances subject to authorisation (Annex XIV REACH).

None

Substances subject to export notification (EC) Regulation 689/2008:

None.

Rotterdam Convention substances:

None

Substances subject to the Stockholm Convention:

None

Health checks

No data available.

Product not intended for use in accordance with Directive 2004/42/EC

### 15.2 Chemical Safety Assessment.

No chemical evaluation of the mixture and substances contained in it.

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## SECTION 16 Other information

Text of the hazard statements (H phrases) mentioned in sections 2-3 of the data sheet:

Acute Tox. 4 - Acute toxicity, category 4

Eye irritation. 2 - Eye Irritation, Category 2

Skin irritation. 2 - Skin Irritation, Category 2

H302 - Harmful if swallowed

H312 - Harmful by skin contact

H332 - Harmful by inhalation

H319 - Causes severe eye irritation

H315 - Causes skin irritation

EUH210 - Safety data sheet available on request

### LEGEND:

- ADR: European Agreement on the Transport of Dangerous Goods by Road
- CAS NUMBER: Number of the Chemical Abstract Service
- CE50: Effective concentration in 50 % of the test population
- CE NUMBER: ESIS identification number (EC substance inventory)
- CLP: Regulation (EC) No 1272/2008
- DNEL: Limit below which the substance has no effect
- EmS: Emergency Schedule
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods by air of the International Air Transport Association IATA
- IC50: inhibition concentration for 50 % of the test population
- IMDG: International Dangerous Goods Marking for the Transport of Dangerous Goods by Sea
- IMO: International Maritime Organization
- INDEX NUMBER: Index number in Annex VI CLP
- LC50: lethal concentration 50
- LD50: lethal dose 50
- OEL: Occupational exposure limit value
- PBT: Persistent, bioaccumulative and toxic under REACH
- PEC: Estimated concentration in the environment
- PEL: Permissible exposure limit values
- PNEC: Estimated non-effect concentration
- REACH: Regulation (EC) No 1907/2006
- RID: Regulations concerning the international carriage of dangerous goods by rail
- TLV: threshold limit value
- TLV CEILING: concentration that must never be exceeded in workplace exposure
- TWA STEL: Short Term Exposure Limit
- TWA: Time-Weighted Average Exposure Limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Water hazard class (Germany)

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### Most important bibliographic sources

- 1st Regulation (EU) No 1907/2006 of the European Parliament (REACH)
- 2nd Regulation (EU) No 1272/2008 of the European Parliament (CLP)
- 3rd Regulation (EC) No 790/2009 of the European Parliament (1st ATP CLP)
- (4) Regulation (EU) No 453/2010 of the European Parliament
- 5) Regulation (EC) No 286/2011 of the European Parliament (2nd ATP CLP)
- 6th Regulation (EC) No 618/2012 of the European Parliament (3rd ATP CLP)
- 7th Regulation (EC) No 487/2013 of the European Parliament (4th ATP CLP)
- 8) Regulation (EC) No 944/2013 of the European Parliament (5th ATP CLP)
- 9th Regulation (EC) No 605/2014 of the European Parliament (6th ATP CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- Website of the European Chemicals Agency ECHA

**Note:** The information contained in this data sheet is based on the state of our knowledge at the time of the latest version. It is the responsibility of the user to check the suitability and completeness of this information for his specific application.

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