

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Buz® Mark Ex

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

#### 1.1. Product identifier

Buz® Mark Ex

UFI: FS50-3026-700E-5M4Q

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

##### Use of the substance/mixture

EuPCS: PC-CLN-OTH Other cleaning, care and maintenance products (excludes biocidal products)

Process categories [PROC]: 11

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

Company name: BUZIL-WERK Wagner GmbH & Co. KG  
Street: Fraunhofer Str. 17  
Place: D-87700 Memmingen  
Telephone: +49 (0) 8331 930-6  
e-mail: info@buzil.de  
Contact person: info@buzil.de  
Internet: www.buzil.com  
Telefax: +49 (0) 8331 930-880

1.4. Emergency telephone number: +49 (0) 8331 930-6 (08:00 - 16:00 h)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

The product does not support combustion. It therefore needs not to be classified as flammable despite a flash point below 60 °C.

#### 2.2. Label elements

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

##### Hazard components for labelling

2-Phenoxyethanol

Signal word: Danger

##### Pictograms:



##### Hazard statements

H318 Causes serious eye damage.

##### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.

#### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
67-63-0	Propan-2-ol; Isopropyl alcohol; Isopropanol			10 - < 15 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
1569-02-4	1-Ethoxy-2-propanol			5 - < 10 %
	216-374-5	603-177-00-8	01-2119462792-32	
	Flam. Liq. 3, STOT SE 3; H226 H336			
122-99-6	2-Phenoxyethanol			5 - < 10 %
	204-589-7	603-098-00-9	01-2119488943-21	
	Acute Tox. 4, Eye Dam. 1, STOT SE 3; H302 H318 H335			
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether			5 - < 10 %
	203-961-6	603-096-00-8	01-2119475104-44	
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
67-63-0	200-661-7	Propan-2-ol; Isopropyl alcohol; Isopropanol	10 - < 15 %	
	inhalation: LC50 = 30 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5840 mg/kg			
1569-02-4	216-374-5	1-Ethoxy-2-propanol	5 - < 10 %	
	inhalation: LC50 = > 10000 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg			
122-99-6	204-589-7	2-Phenoxyethanol	5 - < 10 %	
	oral: ATE 1394 mg/kg			
112-34-5	203-961-6	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether	5 - < 10 %	
	dermal: LD50 = 2764 mg/kg; oral: LD50 = 3305 mg/kg			

#### Labelling for contents according to Regulation (EC) No 648/2004

perfumes (Limonene, Linalool, Citral).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, saturated clothing immediately.

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

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### After ingestion

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray jet  
alcohol resistant foam  
Carbon dioxide  
Extinguishing powder

#### Unsuitable extinguishing media

Full water jet

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

Hazardous combustion products:

Carbon dioxide  
Carbon monoxide

### 5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### General advice

Use personal protection equipment.  
Avoid contact with skin, eyes and clothes.

#### For non-emergency personnel

Ventilate affected area.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.2. Environmental precautions

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

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

#### For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

#### For cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

#### Other information

Collect in closed and suitable containers for disposal.  
Ventilate affected area.

### 6.4. Reference to other sections

Personal protection equipment: see section 8  
Disposal: see section 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

- Avoid contact with skin, eyes and clothes.
- Do not mix with other chemicals.
- Use personal protection equipment.
- When using do not eat, drink or smoke.
- Use only in well-ventilated areas.
- Do not breathe gas/fumes/vapour/spray.

#### Advice on protection against fire and explosion

- No special fire protection measures are necessary.

#### Advice on general occupational hygiene

- Take off contaminated clothing.
- Wash hands before breaks and after work.
- When using do not eat, drink or smoke.

#### Further information on handling

- No further relevant information available.

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

#### Requirements for storage rooms and vessels

- Keep container tightly closed.

#### Hints on joint storage

- No special measures are necessary.

#### Further information on storage conditions

- No further relevant information available.

### 7.3. Specific end use(s)

- Cleaning agent

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	

#### Additional advice on limit values

- No information available.

### 8.2. Exposure controls



#### Appropriate engineering controls

- No information available.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

- Wear eye/face protection. (EN 166)

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### Hand protection

Wear suitable gloves. (EN 374, Category III)  
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.  
Suitable material: NBR (Nitrile rubber) / Thickness of the glove material > 0,1 mm

Protective gloves may be waived, if equivalent measures allowing for an increased skin stress because of wet work are implemented (e. g. application of suitable skin protecting creams).

### Skin protection

Wear suitable work clothing.

### Respiratory protection

If extensively sprayed or used with high pressure equipment: combination filter A1/P2 (EN 143, EN 14387).

### Thermal hazards

No further relevant information available.

### Environmental exposure controls

Section 6: Accidental Release Measures

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	colourless - light yellow
Odour:	Perfumes, fragrances

#### Test method

Melting point/freezing point:	approx. -5 °C
Boiling point or initial boiling point and boiling range:	> 90 °C
Flammability:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	44 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not applicable
pH-Value (at 20 °C):	9 - 10
Viscosity / kinematic: (at 40 °C)	not determined
Water solubility: (at 20 °C)	completely miscible
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not applicable
Vapour pressure:	not determined
Density (at 25 °C):	0,99 g/cm <sup>3</sup>
Relative density:	not determined
Relative vapour density:	not determined
Particle characteristics:	not relevant

### 9.2. Other information

#### Information with regard to physical hazard classes

Sustaining combustion: Not sustaining combustion

#### Other safety characteristics

Viscosity / dynamic:  
(at 25 °C) < 10 mPa·s (50 1/s)

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### Further Information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	Propan-2-ol; Isopropyl alcohol; Isopropanol				
	oral	LD50 mg/kg 5840	Rat		OECD 401
	dermal	LD50 mg/kg > 2000	Rabbit		
	inhalation (4 h) vapour	LC50 mg/l 30	Rat		
1569-02-4	1-Ethoxy-2-propanol				
	oral	LD50 mg/kg > 5000	Rat		
	dermal	LD50 mg/kg > 5000	Rabbit		
	inhalation (4 h) vapour	LC50 mg/l > 10000	Rat		
122-99-6	2-Phenoxyethanol				
	oral	ATE 1394 mg/kg			
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether				
	oral	LD50 mg/kg 3305	Rat		
	dermal	LD50 mg/kg 2764	Rabbit		

#### Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

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### Sensitising effects

Based on available data, the classification criteria are not met.

### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

### STOT-single exposure

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### Other information

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
67-63-0	Propan-2-ol; Isopropyl alcohol; Isopropanol					
	Acute fish toxicity	LC50 > 10000 mg/l	96 h	Pimephales promelas (fathead minnow)		OECD 203
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna (Big water flea)		
1569-02-4	1-Ethoxy-2-propanol					
	Acute fish toxicity	LC50 4,6 - 10,0 mg/l	96 h	Leuciscus idus (golden orfe)		DIN 38412
	Acute crustacea toxicity	EC50 21,1 - 25,9 mg/l	48 h	Daphnia magna (Big water flea)		
122-99-6	2-Phenoxyethanol					
	Acute fish toxicity	LC50 344 mg/l	96 h	Pimephales promelas (fathead minnow)		
	Acute algae toxicity	ErC50 > 500 mg/l	72 h	Scenedesmus subspicatus		DIN 38412 / part 9
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna (Big water flea)		OECD 202
	Fish toxicity	NOEC 23 mg/l	34 d	Pimephales promelas (fathead minnow)		OECD 210
	Crustacea toxicity	NOEC 9,43 mg/l	21 d	Daphnia magna (Big water flea)		OECD 211
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether					
	Acute fish toxicity	LC50 1300 mg/l	96 h	Lepomis macrochirus (Bluegill)		OECD 203
	Acute algae toxicity	ErC50 > 100 mg/l	96 h	Scenedesmus subspicatus		OECD 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna (Big water flea)		OECD 202

### 12.2. Persistence and degradability

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The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

CAS No	Chemical name	Method	Value	d	Source
122-99-6	2-Phenoxyethanol	OECD 301 A	> 70 %	28	
	Readily biodegradable (according to OECD criteria).				
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether	OECD 301 C	> 70 %	28	
	Readily biodegradable (according to OECD criteria).				

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1569-02-4	1-Ethoxy-2-propanol	1,46
122-99-6	2-Phenoxyethanol	1,2
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether	1

### BCF

CAS No	Chemical name	BCF	Species	Source
1569-02-4	1-Ethoxy-2-propanol	3,16		
122-99-6	2-Phenoxyethanol	0,3493		

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

#### List of Wastes Code - residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

#### List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

#### Contaminated packaging

Non-contaminated packages may be recycled.

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### SECTION 14: Transport information

#### Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

No special measures are necessary.

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

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 55, Entry 75

2010/75/EU (VOC): 17,0 %

##### Additional information

Regulation (EC) No. 648/2004 [Detergents regulation]

##### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 8,9,14.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

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(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 4: Chemical production where opportunity for exposure arises

PROC 7: Industrial spraying

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 13: Treatment of articles by dipping and pouring

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection

### Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

### Further Information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]: 9 (1)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*