

## Safety Data Sheet

according to UK REACH Regulation

### mibenco® Vorreiniger

Revision date: 18.02.2021

Product code: 00000225

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

### 1.1. Product identifier

mibenco® Vorreiniger

UFI: ACE8-S0N2-20EK-Y8E8

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

#### Use of the substance/mixture

Preparatory and cleaning products

#### Uses advised against

Do not use for products which come into contact with the food stuffs.

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

Company name: Suter Kunststoffe AG  
Street: Aeßigenstrasse 3  
Place: CH - 3312 Fraubrunnen  
Telephone: +41 (0)31 763 60 60  
e-mail: info@swiss-composite.ch  
Internet: www.swiss-composite.ch  
Responsible Department: Sales - Team

### 1.4. Emergency telephone number:

Tox Info Suisse Emergency number: 145 from abroad: +41 (0)44 251 51 51

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Hazard categories:

Flammable liquid: Flam. Liq. 3

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Danger

Pictograms:



#### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

#### Precautionary statements

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

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P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Empty containers should be transported/delivered using a registered waste carrier for local recycling or waste disposal.

### Special labelling of certain mixtures

EUH208 Contains dipentene; limonene. May produce an allergic reaction.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	GHS Classification	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	60 - < 65 %
	200-661-7	
	Flam. Liq. 1, Eye Irrit. 2, STOT SE 3; H224 H319 H336	
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	1 - < 5 %
	203-905-0	603-014-00-0
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319	
138-86-3	dipentene; limonene	< 1 %
	205-341-0	601-029-00-7
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410	
8028-48-6	Orange Oil, Perfumery Oil,	< 1 %
	232-433-8	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410	
1336-21-6	ammonia ... %	< 0.1 %
	215-647-6	007-001-01-2
	Skin Corr. 1B, Aquatic Acute 1; H314 H400	

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	
111-76-2	203-905-0	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	1 - < 5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: LD50 = 470 mg/kg	
1336-21-6	215-647-6	ammonia ... %	< 0.1 %
		STOT SE 3; H335: >= 5 - 100	

#### Further Information

Full text of R-phrases: see section 16.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Give nothing to eat or drink.

##### **After inhalation**

In case of inhaling spray mists, consult a doctor immediately and show him box or label. If victim is at risk of losing consciousness, position and transport on their side. Provide fresh air.

##### **After contact with skin**

Remove contaminated, saturated clothing immediately. Change contaminated clothing. Wash thoroughly the body (shower or bath).

##### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

##### **After ingestion**

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

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

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause dermal irritation.

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

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). ABC powder.

##### **Unsuitable extinguishing media**

High power water jet.

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

Non-flammable. Vapours can form explosive mixtures with air. Burning produces heavy smoke. In case of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire: Wear self-contained breathing apparatus.

##### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Contaminated fire-fighting water must be collected separately. Remove product from area of fire. Co-ordinate fire-fighting measures to the fire surroundings.

### SECTION 6: Accidental release measures

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

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#### General measures

Remove all sources of ignition. Provide adequate ventilation. See protective measures under point 7 and 8.

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

Do not allow to enter into surface water or drains.

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

##### Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Treat the recovered material as prescribed in the section on waste disposal.

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

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13 See protective measures under point 7 and 8.

### SECTION 7: Handling and storage

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

##### Advice on safe handling

Preventive measures: If handled uncovered, arrangements with local exhaust ventilation have to be used. It is recommended to design all work processes always so that the following is excluded: inhalation. skin contact. Eye contact. Take precautionary measures against static discharges.

##### Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

##### Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

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

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place. Take precautionary measures against static discharges.

##### Hints on joint storage

Materials to avoid: Acid. Base. Material, combustible. Oxidizing agents.

##### Further information on storage conditions

Keep away from sources of ignition - No smoking. Protect against: heat. Keep/Store only in original container.

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

Preparatory and cleaning products

### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

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### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

### 8.2. Exposure controls



#### Appropriate engineering controls

Occupational exposure controls: Refer to chapter 7. No further action is necessary.

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

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves are to be worn:

Suitable material: NBR (Nitrile rubber), Butyl rubber.

Thickness of glove material: >0,4mm

penetration time (maximum wearing period): >480min

DIN-/EN-Norms: EN ISO 374

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation. insufficient absorption.

##### Environmental exposure controls

Refer to chapter 7 No further action is necessary.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	light green
Odour:	Alcohols

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#### Test method

#### Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	<100 °C
Flash point:	22 °C

#### Flammability

Solid/liquid:	not applicable
Gas:	not applicable
Lower explosion limits:	2 vol. %
Upper explosion limits:	12 vol. %

#### Self-ignition temperature

Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined

#### Oxidizing properties

Not oxidising.	
pH-Value:	not determined
Flow time: (at 20 °C)	< 25 (3 mm) 3 DIN 53211
Water solubility:	easily soluble

#### Solubility in other solvents

not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Vapour pressure: (at 50 °C)	43 hPa
Density:	0,864 g/cm <sup>3</sup>
Relative vapour density:	not determined

#### 9.2. Other information

##### Information with regard to physical hazard classes

Sustaining combustion:	UN Test L.2
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##### Other safety characteristics

Solvent content:	ca 65 %
Solid content:	not determined
Evaporation rate:	not determined

##### Further Information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

#### 10.2. Chemical stability

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

#### 10.3. Possibility of hazardous reactions

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

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#### 10.4. Conditions to avoid

Conditions to avoid:

In case of warming: Danger of bursting container.

#### 10.5. Incompatible materials

Alkalis (alkalis). Acid. Oxidizing agents.

#### 10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

##### Acute toxicity

Toxicological data are not available.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve				
	oral	LD50 mg/kg	470	Rat	
	dermal	ATE mg/kg	1100		
	inhalation vapour	ATE	11 mg/l		
	inhalation aerosol	ATE	1,5 mg/l		

##### Irritation and corrosivity

Evaluation: Not an irritant.

##### STOT-repeated exposure

Has de-greasing effect on the skin.

##### Specific effects in experiment on an animal

Rat LD50: 4300 - 5800 mg/kg Acute toxicity, oral

Data apply to the main component.

##### Further information

Toxicological data are not available.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Doesn't get into the sewage water as long as the process is carried out according to regulations.

Very toxic for Water fleas.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve					
	Acute fish toxicity	LC50 mg/l	1490	96 h	Lepomis macrochirus	
1336-21-6	ammonia ... %					
	Acute fish toxicity	LC50 mg/l	0,53	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50	24 mg/l	48 h	Daphnia magna	
	Fish toxicity	NOEC	1,2 mg/l	61 d	Oncorhynchus gorbuscha	

#### 12.2. Persistence and degradability



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No data available

#### **12.3. Bioaccumulative potential**

No data available

#### **Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	0,81 (25°C)
1336-21-6	ammonia ... %	-1,38

#### **12.4. Mobility in soil**

No data available

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

No data available

#### **12.7. Other adverse effects**

No data available

#### **Further information**

Avoid release to the environment. Do not allow uncontrolled leakage of product into the environment.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

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

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

##### **List of Wastes Code - used product**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

##### **List of Wastes Code - contaminated packaging**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

##### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled. Hand over to officially registered waste disposal company.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** PAINT  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



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Classification code: F1  
 Special Provisions: 163 367 650  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 30  
 Tunnel restriction code: D/E

### Inland waterways transport (ADN)

14.1. UN number: UN 1263  
14.2. UN proper shipping name: Paint  
14.3. Transport hazard class(es): 3  
14.4. Packing group: III  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 163 367 650  
 Limited quantity: 5 L  
 Excepted quantity: E1

### Marine transport (IMDG)

14.1. UN number: UN 1263  
14.2. UN proper shipping name: PAINT  
14.3. Transport hazard class(es): 3  
14.4. Packing group: III  
 Hazard label: 3



Special Provisions: 163, 223, 367, 955  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 EmS: F-E, S-E

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

14.1. UN number: UN 1263  
14.2. UN proper shipping name: PAINT  
14.3. Transport hazard class(es): 3  
14.4. Packing group: III  
 Hazard label: 3



Special Provisions: A3 A72 A192  
 Limited quantity Passenger: 10 L  
 Passenger LQ: Y344



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Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

#### **14.6. Special precautions for user**

Warning: Combustible liquid.

#### **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

2010/75/EU (VOC):	65 %
2004/42/EC (VOC):	VOCV (CH): 65 % VOC (EU): 561,6 g/l

##### **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**

#### **Abbreviations and acronyms**

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

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

H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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EUH208

Contains dipentene; limonene. May produce an allergic reaction.

**Further Information**

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.

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