

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 1 of 11

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

1.1. Product identifier

SCHACHMATT

UFI: 1VE3-2NSV-GFC7-P5RN

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

1.3. Details of the supplier of the safety data sheet

Company name: ARCORA International GmbH
Street: Marsstraße 9
Place: D-85609 Aschheim
Telephone: +49 (0)89 / 14 33 29 3-0
e-mail: info@arcora.de
Telefax: +49 (0)89 / 14 33 29 3-29

1.4. Emergency telephone number: Giftnotruf der Charité - Universitätsmedizin Berlin -24H- Tel.: 030 30686700

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Serious eye damage/eye irritation: Eye Irrit. 2
Hazard Statements:
Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash mit Wasser thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.
P337+P313 If eye irritation persists: Get medical advice/attention.

Special labelling of certain mixtures

1 - < 5 % of the mixture consists of ingredient(s) of unknown acute toxicity (inhalation).

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 2 of 11

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
67-63-0	2-Propanol; Isopropylalkohol; Isopropanol			5 - < 10 %
	200-661-7		01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
112-34-5	2-(2-Butoxyethoxy)ethanol (vgl. Butyldiglykol)			5 - < 10 %
	203-961-6		01-2119475104-44	
	Eye Irrit. 2; H319			
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)			5 - < 10 %
	203-905-0		01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			
122-99-6	2-phenoxyethanol			1 - < 5 %
	204-589-7			
	Acute Tox. 4, Eye Irrit. 2; H302 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	2-Propanol; Isopropylalkohol; Isopropanol	5 - < 10 %
		inhalation: LC50 = 30 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = 4570 mg/kg	
112-34-5	203-961-6	2-(2-Butoxyethoxy)ethanol (vgl. Butyldiglykol)	5 - < 10 %
		dermal: LD50 = 4000 mg/kg; oral: LD50 = 5660 mg/kg	
111-76-2	203-905-0	2-Butoxy-ethanol (vgl. Butylglykol)	5 - < 10 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1200 mg/kg; oral: LD50 = 1480 mg/kg	
122-99-6	204-589-7	2-phenoxyethanol	1 - < 5 %
		inhalation: Data lacking (gases); dermal: LD50 = > 5000 mg/kg; oral: LD50 = 1850 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink 1 glass of water.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 3 of 11

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

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

Additional information

Suppress gases/vapours/mists with water spray jet. 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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

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 (sand, diatomaceous earth, acid- or universal binding agents). 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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 4 of 11

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m³	fib/cm³	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	
111-76-2	2-Butoxyethanol	20	98		TWA (8 h)	
		50	246		STEL (15 min)	

DNEL/DMEL values

CAS No	Name of agent			
DNEL type	Exposure route	Effect	Value	
67-63-0	2-Propanol; Isopropylalkohol; Isopropanol			
Consumer DNEL, acute	oral	systemic	26 mg/kg bw/day	
Worker DNEL,	dermal	systemic	888 mg/kg bw/day	
Consumer DNEL,	dermal	systemic	319 mg/kg bw/day	
Worker DNEL,	inhalation	systemic	500 mg/m³	
Consumer DNEL,	inhalation	systemic	89 mg/m³	
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)			
Consumer DNEL, long-term	oral	systemic	6,3 mg/kg bw/day	
Consumer DNEL, acute	oral	systemic	26,7 mg/kg bw/day	
Consumer DNEL, acute	dermal	systemic	89 mg/kg bw/day	
Worker DNEL, acute	dermal	systemic	89 mg/kg bw/day	
Consumer DNEL, long-term	dermal	systemic	75 mg/kg bw/day	
Worker DNEL, long-term	dermal	systemic	125 mg/kg bw/day	
Consumer DNEL, acute	inhalation	systemic	426 mg/m³	
Worker DNEL, acute	inhalation	systemic	1091 mg/m³	
Consumer DNEL, long-term	inhalation	systemic	59 mg/m³	
Worker DNEL, long-term	inhalation	systemic	98 mg/m³	
Worker DNEL, acute	inhalation	local	246 mg/m³	
Consumer DNEL, long-term	inhalation	local	147 mg/m³	
122-99-6	2-phenoxyethanol			
Consumer DNEL, long-term	oral	systemic	9,23 mg/kg bw/day	
Worker DNEL, long-term	dermal	systemic	20,83 mg/kg bw/day	
Consumer DNEL, long-term	dermal	systemic	10,42 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	8,07 mg/m³	
Consumer DNEL, long-term	inhalation	systemic	2,41 mg/m³	

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 5 of 11

PNEC values

CAS No	Name of agent	
Environmental compartment		Value
67-63-0	2-Propanol; Isopropylalkohol; Isopropanol	
Freshwater		140,9 mg/l
Marine water		140,9 mg/l
Freshwater sediment		552 mg/kg
Marine sediment		552 mg/kg
Micro-organisms in sewage treatment plants (STP)		2251 mg/l
Soil		28 mg/kg
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)	
Freshwater		8,8 mg/l
Freshwater (intermittent releases)		9,1 mg/l
Marine water		0,88 mg/l
Freshwater sediment		34,6 mg/kg
Marine sediment		3,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		463 mg/l
Soil		2,33 mg/kg
122-99-6	2-phenoxyethanol	
Freshwater		0,943 mg/l
Marine water		0,094 mg/l
Freshwater sediment		7,24 mg/kg
Marine sediment		0,724 mg/kg
Micro-organisms in sewage treatment plants (STP)		24,8 mg/l
Soil		1,26 mg/kg

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

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.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 6 of 11

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	transparent
Odour:	characteristic

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flash point:	not determined

Flammability

Solid/liquid:	not applicable
Gas:	not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined

Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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Oxidizing properties

Not oxidising.

pH-Value (at 20 °C):	6
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Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
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Solubility in other solvents

not determined

Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density:	1 g/cm ³
Relative vapour density:	not determined

9.2. Other information

Other safety characteristics

Solid content:	not determined
Evaporation rate:	not determined

Further Information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 7 of 11

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	2-Propanol; Isopropylalkohol; Isopropanol				
	oral	LD50 4570 mg/kg	Ratte		
	dermal	LD50 > 5000 mg/kg	Kaninchen		
	inhalation (4 h) vapour	LC50 30 mg/l	Ratte		
112-34-5	2-(2-Butoxyethoxy)ethanol (vgl. Butylglykol)				
	oral	LD50 5660 mg/kg	Rat		
	dermal	LD50 4000 mg/kg	Rabbit		
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)				
	oral	LD50 1480 mg/kg	Rat		
	dermal	LD50 1200 mg/kg	Kaninchen		
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
122-99-6	2-phenoxyethanol				
	oral	LD50 1850 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rabbit		
	inhalation	Data lacking			

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 8 of 11

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-63-0	2-Propanol; Isopropylalkohol; Isopropanol					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	(Leuciscus idus)		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	(Daphnia magna)		
112-34-5	2-(2-Butoxyethoxy)ethanol (vgl. Butyldiglykol)					
	Acute fish toxicity	LC50 1300 mg/l	96 h	Lepomis macrochirus		
	Acute algae toxicity	ErC50 > 100 mg/l	96 h	Scenedesmus sp.		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna		
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)					
	Acute fish toxicity	LC50 1474 mg/l	96 h	RegenbogenForelle		
	Acute crustacea toxicity	EC50 1550 mg/l	48 h	Wasserfloh		
	Fish toxicity	NOEC > 100 mg/l	21 d	Zebrabärbling		
122-99-6	2-phenoxyethanol					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Scenedesmus sp.		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna		

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
122-99-6	2-phenoxyethanol			
	OECD 301A	> 70 %		

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-Butoxyethoxy)ethanol (vgl. Butyldiglykol)	0,56 (25°C)
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)	0,81 (25°C)
122-99-6	2-phenoxyethanol	1,16

12.4. Mobility in soil

The product has not been tested.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 9 of 11

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.7. Other adverse effects

No information available.

Further information

Avoid release to 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.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 10 of 11

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 55

2010/75/EU (VOC): 12 % (120 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

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): 1.

Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

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

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

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SCHACHMATT

Print date: 04.03.2022

Revision date: 04.03.2022

Page 11 of 11

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

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

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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