

Safety Data Sheet

WRR80

Issued: 03/09/2019
Version: 1.0.0

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

1.1. Product identifier

Trade name: WRR80

Article no

Article no	Description
56070002	

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

Recommended uses: Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Mouldpro ApS
Address: Baltorpbakken 10
Zip code: 2750
City: Ballerup
Country: DENMARK
E-mail: sales@mouldpro.com
Phone: +45 70 20 31 31
Homepage: www.mouldpro.com

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24))

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

Most serious harmful effects: May cause slight irritation to the skin and eyes. The product releases vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache.

2.2. Label elements

Supplemental information

EUH210 Safety data sheet available on request.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

WRR80

Issued: 03/09/2019

Version: 1.0.0

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Citric acid monohydrate	5949-29-1	201-069-1	01-2119457026-42	5 - 10%		Eye Irrit. 2;H319
1-methoxy-2-propanol	107-98-2	203-539-1	01-2119457435-35	1 - 2.5%		Flam. Liq. 3;H226 STOT SE 3;H336

Please see section 16 for the full text of H-phrases.

Ingredient comments: Pursuant to Regulation (EC) No. 648/2004 on detergents: non-ionic surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures

- Inhalation:** Seek fresh air. Seek medical advice in case of persistent discomfort.
- Ingestion:** Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
- Skin contact:** Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
- Eye contact:** Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
- General:** When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media:** Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.
- Unsuitable extinguishing media:** Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Can generate harmful flue gases containing carbon monoxide in the event of fire.

5.3. Advice for fire-fighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel:** Stay upwind/keep distance from source. Stop leak if this can be done without risk. Provide good ventilation.
- For emergency responders:** In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

Safety Data Sheet

WRR80

Issued: 03/09/2019
Version: 1.0.0

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging.

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m3	fiber/cm3	Comments	Remarks
1-methoxy-2-propanol	15m	150	560			Sk
1-methoxy-2-propanol	8h	100	375			Sk

Sk = Can be absorbed through skin

Measuring methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis:

EH40/2005 Workplace exposure limits. Last amended August 2018.

PNEC

Citric acid monohydrate, cas-no 5949-29-1

Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (marine water)	0,044 mg/l			
PNEC sediment (freshwater)	3,46 mg/kg dw			
PNEC aqua (freshwater)	0,44 mg/l			
PNEC sediment (marine water)	34,6 mg/kg			
PNEC soil	33,1 mg/kg			

Safety Data Sheet

WRR80

Issued: 03/09/2019

Version: 1.0.0

PNEC STP (wastewater-treatment facilities)	> 1000 mg/l			
1-methoxy-2-propanol, cas-no 107-98-2				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	10 mg/l			
PNEC sediment (freshwater)	41,6 mg/kg			
PNEC sediment (marine water)	4,17 mg/kg			
PNEC soil	2,47 mg/kg			
PNEC STP (wastewater-treatment facilities)	100 mg/l			

DNEL - workers

1-methoxy-2-propanol, cas-no 107-98-2					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	369 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	553,5 mg/cm ³				
Dermal DNEL (long-term exposure - systemic effects)	50,6 mg/kg bw/day				

DNEL - general population

1-methoxy-2-propanol, cas-no 107-98-2					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	43,9 mg/cm ³				
Oral DNEL (long-term exposure - systemic effects)	3,3 mg/kg bw/day				
Dermal DNEL (long-term exposure - systemic effects)	18,1 mg/kg bw/day				

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Not required.

Personal protective equipment, hand protection: Light use , shortterm contact (below 10 min.): Not required.
Medium use (medium volume, medium contact (1-2 hours)): Wear gloves. Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

Safety Data Sheet

WRR80

Issued: 03/09/2019
Version: 1.0.0

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Swab
Colour	Orange
Odour	Mild
Solubility	Insoluble in the following: Water.
Explosive properties	Non-explosive
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	23 hPa	(20 °C)
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
VOC (Volatile organic compounds):	1,9%	
Solid substance	6,5%	

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

Safety Data Sheet

WRR80

Issued: 03/09/2019
Version: 1.0.0

10.6. Hazardous decomposition products

Can generate harmful flue gases containing carbon monoxide in the event of fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Citric acid monohydrate, cas-no 5949-29-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse	LD50		5400mg/kg			
Rat	LD50		3000mg/kg			

1-methoxy-2-propanol, cas-no 107-98-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		4016mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Ingestion may cause discomfort.

Acute toxicity - dermal

Citric acid monohydrate, cas-no 5949-29-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000mg/kg			

1-methoxy-2-propanol, cas-no 107-98-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		2000mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation

1-methoxy-2-propanol, cas-no 107-98-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4 h	27596mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation:

The product does not have to be classified. Test data are not available. May cause slight irritation.

Serious eye damage/eye irritation:

The product does not have to be classified. Test data are not available. Temporary irritation.

Respiratory sensitisation or skin sensitisation:

The product does not have to be classified. Test data are not available.

Germ cell mutagenicity:

The product does not have to be classified. Test data are not available.

Carcinogenic properties:

The product does not have to be classified. Test data are not available.

Reproductive toxicity:

The product does not have to be classified. Test data are not available.

Single STOT exposure:

The product does not have to be classified. Test data are not available. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache.

Repeated STOT exposure:

The product does not have to be classified. Test data are not available.

Safety Data Sheet

WRR80

Issued: 03/09/2019
Version: 1.0.0

Aspiration hazard: The product does not have to be classified. Test data are not available.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Citric acid monohydrate, cas-no 5949-29-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna	24 h	LC50	> 1535mg/l			
Fish		48 h	LC50	440mg/l			
Fish	Leuciscus idus	96 h	LC50	> 400mg/l			

1-methoxy-2-propanol, cas-no 107-98-2

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Leuciscus idus	96 h	LC50	6812mg/l			
Crustacea	Daphnia magna	48 h	EC50	23000mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water.

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste: EWC code: Depends on line of business and use, for instance 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

SECTION 14: Transport information

Safety Data Sheet

WRR80

Issued: 03/09/2019
Version: 1.0.0

Land transport (ADR/RID)

14.1. UN-No.:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

Inland water ways transport (ADN)

14.1. UN-No.:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

Sea transport (IMDG)

14.1. UN-No.:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

Air transport (ICAO-TI / IATA-DGR)

14.1. UN-No.:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

14.6. Special precautions for user

None.

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

Special Provisions:

Covered by:
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119457026-42	Citric acid monohydrate
01-2119457435-35	1-methoxy-2-propanol

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	03/09/2019	Bureau Veritas HSE - DOL	New

Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

Safety Data Sheet

WRR80

Issued: 03/09/2019
Version: 1.0.0

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

List of relevant H-statements

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

SDS is prepared by

Company: Bureau Veritas HSE Denmark A/S
Address: Oldenborggade 25-31
Zip code: 7000
City: Fredericia
Country: DENMARK
E-mail: infohse@dk.bureauveritas.com
Phone: +45 77 31 10 00
Homepage: <https://www.bvhse.dk/>
Document language: GB