

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Aug 30, 2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** Mal-PVA**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture

Laboratory chemicals

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Cellendes GmbH

Markwiesenstr. 55

72770 Reutlingen

Telephone: +49 7121 15940 0

Fax: +49 7121 15940 99

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Informing department:

Dr. Helmut Wurst

Telephone: +49 7121 15940 0

1.4 Emergency telephone number:**Dr. Helmut Wurst**

Telephone: +49 7121 15940 0 (8 - 16 hour)

National Poisons Information Service (Birmingham Unit)

Telephone: +44 121 507 4123

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

Void

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:**

Not applicable

vPvB:

Not applicable.

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SECTION 3: Composition/information on ingredients**3.1 Substance****Description:**

modified polyvinyl alcohol

Dangerous components:

Void

Additional information

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

No special measures required.

After inhalation

Seek medical treatment in case of complaints.

After skin contact

Instantly rinse with water.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing

Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Information for doctor

No particular measures are known - treat according to symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents**

The product is not flammable

For safety reasons unsuitable extinguishing agents

Not applicable

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

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5.3 Advice for firefighters

Protective equipment:

No special measures required.

SECTION 6: SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental precautions:

No special measures required.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures required.

Information about protection against explosions and fires:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage**Requirements to be met by storerooms and containers:**

Storage temperature -70°C to -80°C

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

Storage class

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7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems:

No further data; see item 7.

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8.1 Control parameters**Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid during the compilation were used as basis.

8.2 Exposure controls**Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Breathing equipment:

Not required.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

Butyl rubber, BR

Recommended thickness of the material:

≥0.10 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

As protection from splashes gloves made of the following materials are suitable:

PVC gloves

Not suitable are gloves made of the following materials:

Strong gloves

Leather gloves

Eye protection:

Safety glasses recommended during refilling.

Not required.

Body protection:

Protective work clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Viscous

Colour: Clear

Odour: Not determined

Odour threshold: Not determined.

pH-value: 5-6

Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: 100°C

Flash point: Not applicable

Inflammability (solid, gaseous): Not applicable

Ignition temperature:

Decomposition temperature: Not determined

Self-inflammability:

Product is not selfigniting.

Danger of explosion:

Product is not explosive.

Critical values for explosion:

Lower: Not determined

Upper: Not determined.

Vapour pressure at 20 °C:

23 hPa

Density

Not determined

Relative density

Not determined

Vapour density

Not determined.

Evaporation rate

Not determined

Solubility in / Miscibility with Water: Fully miscible

Partition coefficient (n-octanol/water): Not determined

Viscosity:

dynamic: Not determined

kinematic: Not determined

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available

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10.2 Chemical stability**Thermal decomposition / conditions to be avoided:***No decomposition if used according to specifications.***10.3 Possibility of hazardous reactions***No dangerous reactions known***10.4 Conditions to avoid***No further relevant information available.***10.5 Incompatible materials:***No further relevant information available.***10.6 Hazardous decomposition products:***No dangerous decomposition products known***SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity***Based on available data, the classification criteria are not met.***Primary irritant effect:****Skin corrosion/irritation***Based on available data, the classification criteria are not met.***Serious eye damage/irritation***Based on available data, the classification criteria are not met.***Respiratory or skin sensitisation***Based on available data, the classification criteria are not met.***CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity***Based on available data, the classification criteria are not met.***Carcinogenicity***Based on available data, the classification criteria are not met.***Reproductive toxicity***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.*

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

Generally not hazardous for water.

12.5 Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Smaller quantities can be disposed with household waste.

European waste catalogue	
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 01*	aqueous washing liquids and mother liquors

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

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SECTION 14: Transport information**14.1 UN-Number**

ADR, ADN, IMDG, IATA
Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA
Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA
Class
Void

14.4 Packing group

ADR, IMDG, IATA
Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications

UN "Model Regulation":

Void

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU****Named dangerous substances - ANNEX I**

None of the ingredients is listed.

National regulations**Water hazard class:**

Generally not hazardous for water.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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 Harmonised 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 (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative