

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 28-823
Print date: 05.08.2019
Version: 1.54

ISO-Malervorlack Airless
Revision date: 30.07.2019
Issue date: 30.07.2019

EN
Page 1 / 9

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

1.1. Product identifier

Article No. (manufacturer/supplier): 28-823
Trade name/designation: ISO-Malervorlack Airless
weiss
matt

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

Relevant identified uses

Varnish / paint

Uses advised against

Aware of any other information

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

P.A. Jansen GmbH u. Co., KG
Maler-Spezialprodukte
Hochstadenstraße 22
D-53474 Bad Neuenahr-Ahrweiler
Telephone: +49 2641 3897-0
Telefax: +49 2641 3897-28
Homepage: www.jansen.de

Dept. responsible for information:

laboratory
E-mail (competent person): sicherheitsdatenblatt@jansen.de

1.4. Emergency telephone number

Emergency telephone number: +49 2641 3897-51
Only available during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Hazard statements

No data available

Precautionary statements

No data available

Hazard components for labelling

No data available

Supplemental Hazard information (EU)

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description Insulating water-thinnable primer

Article No.: 28-823
Print date: 05.08.2019
Version: 1.54

ISO-Malervorlack Airless
Revision date: 30.07.2019
Issue date: 30.07.2019

EN
Page 2 / 9

Hazardous ingredients

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No.	REACH No.	Wt %
CAS No.	Designation	
INDEX No.	classification: // Remark	
203-961-6	01-2119475104-44	
112-34-5	2-(2-butoxyethoxy)ethanol	1 - 1,5
603-096-00-8	Eye Irrit. 2 H319	

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device.

Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Article No.: 28-823 ISO-Malervorlack Airless
Print date: 05.08.2019 Revision date: 30.07.2019
Version: 1.54 Issue date: 30.07.2019

EN
Page 3 / 9

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

The usual precautionary measures for handling chemicals should be observed.

Further information

No special measures are required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special measures are required. Keep container tightly closed. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Keep away from frost! Keep only in the original container in a cool, well-ventilated place. Take care of instructions on label.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

Bariumsulfat

EC No. 231-784-4 / CAS No. 7727-43-7

WEL, TWA: 10 mg/m³

Remark: (inhalable fraction)

WEL, TWA: 4 mg/m³

Remark: (respirable fraction)

2-(2-butoxyethoxy)ethanol

INDEX No. 603-096-00-8 / EC No. 203-961-6 / CAS No. 112-34-5

WEL, TWA: 67,5 mg/m³; 10 ppm

WEL, STEL: 101,2 mg/m³; 15 ppm

Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

DNEL:

1,2-Propanediol

EC No. 200-338-0 / CAS No. 57-55-6

DNEL long-term inhalative (local), Workers: 10 mg/m³

DNEL long-term inhalative (systemic), Workers: 168 mg/m³

DNEL long-term oral (repeated), Consumer: 85 mg/kg

DNEL long-term dermal (systemic), Consumer: 213 mg/kg

DNEL long-term inhalative (local), Consumer: 10 mg/m³

DNEL long-term inhalative (systemic), Consumer: 50 mg/m³

Titanium dioxide

EC No. 236-675-5 / CAS No. 1317-80-2

DNEL long-term inhalative (local), Workers: 10 mg/m³

DNEL long-term oral (repeated), Consumer: 700 mg/kg

Bariumsulfat

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 28-823 ISO-Malervorlack Airless
Print date: 05.08.2019 Revision date: 30.07.2019
Version: 1.54 Issue date: 30.07.2019

EN
Page 4 / 9

EC No. 231-784-4 / CAS No. 7727-43-7

DNEL long-term inhalative (local), Workers: 10 mg/m³
DNEL long-term inhalative (systemic), Workers: 10 mg/m³
DNEL long-term oral (repeated), Consumer: 13000 mg/kg
DNEL long-term inhalative (systemic), Consumer: 10 mg/m³

2-(2-butoxyethoxy)ethanol

INDEX No. 603-096-00-8 / EC No. 203-961-6 / CAS No. 112-34-5

DNEL long-term dermal (systemic), Workers: 20 mg/kg
DNEL acute inhalative (local), Workers: 101,2 mg/m³
DNEL long-term inhalative (local), Workers: 67,5 mg/m³
DNEL long-term inhalative (systemic), Workers: 67,5 mg/m³
DNEL long-term oral (repeated), Consumer: 1,25 mg/kg
DNEL long-term dermal (systemic), Consumer: 10 mg/kg
DNEL acute inhalative (local), Consumer: 50,6 mg/m³
DNEL long-term inhalative (local), Consumer: 34 mg/m³
DNEL long-term inhalative (systemic), Consumer: 34 mg/m³

PNEC:

1,2-Propanediol

EC No. 200-338-0 / CAS No. 57-55-6

PNEC aquatic, freshwater: 260 mg/l
PNEC aquatic, marine water: 26 mg/l
PNEC aquatic, intermittent release: 183 mg/l
PNEC sediment, freshwater: 572 mg/kg
PNEC sediment, marine water: 57,2 mg/kg
PNEC, soil: 50 mg/kg
PNEC sewage treatment plant (STP): 20000 mg/l

Titanium dioxide

EC No. 236-675-5 / CAS No. 1317-80-2

PNEC aquatic, freshwater: 0,127 mg/l
PNEC aquatic, marine water: 1 mg/l
PNEC aquatic, intermittent release: 0,61 mg/l
PNEC sediment, freshwater: 1000 mg/kg
PNEC sediment, marine water: 100 mg/kg
PNEC, soil: 100 mg/kg
PNEC sewage treatment plant (STP): 100 mg/l

Bariumsulfat

EC No. 231-784-4 / CAS No. 7727-43-7

PNEC aquatic, freshwater: 0,115 mg/l
PNEC sediment, freshwater: 600,4 mg/kg
PNEC, soil: 207,7 mg/kg
PNEC sewage treatment plant (STP): 62,2 mg/l

2-(2-butoxyethoxy)ethanol

INDEX No. 603-096-00-8 / EC No. 203-961-6 / CAS No. 112-34-5

PNEC aquatic, freshwater: 1 mg/l
PNEC aquatic, marine water: 0,1 mg/l
PNEC aquatic, intermittent release: 3,9 mg/l
PNEC sediment, freshwater: 4,4 mg/kg
PNEC sediment, marine water: 0,44 mg/kg
PNEC, soil: 0,32 mg/kg
PNEC sewage treatment plant (STP): 200 mg/l
PNEC Secondary Poisoning: 56 mg/kg

8.2. Exposure controls

Provide good ventilation.

Personal protection equipment

Respiratory protection

Recommended respiratory protection articles: Inadequately ventilated workplaces and spraying procedures are necessary. Fresh air mask or short-time work combination filter A2-P2 are recommended.

Hand protection

Article No.: 28-823
Print date: 05.08.2019
Version: 1.54

ISO-Malervorlack Airless
Revision date: 30.07.2019
Issue date: 30.07.2019

EN
Page 5 / 9

Wear protective gloves. Suitable material: NBR (Nitrile rubber)

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

No special measures are necessary.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state:

Liquid

Colour:

refer to label

Odour:

characteristic

Odour threshold:

No data available

pH at 20 °C:

no information

Melting point/freezing point:

-68 °C

Source: 2-(2-butoxyethoxy)ethanol

Initial boiling point and boiling range:

-19 °C

Source: Formaldehyde

Flash point:

Not applicable.

Evaporation rate:

No data available

flammability

Burning time (s):

No data available

Upper/lower flammability or explosive limits:

Lower explosion limit:

0,8 Vol-%

Method: literature value

Upper explosion limit:

No data available

Vapour pressure at 20 °C:

0,2 mbar

Source: 1,2-Propanediol

Vapour density:

No data available

Relative density:

Density at 20 °C:

1,48 g/cm³

Method: DIN 53217

Solubility(ies):

Water solubility (g/L) at 20 °C:

partially soluble

Partition coefficient: n-octanol/water:

see section 12

Auto-ignition temperature:

No data available

Decomposition temperature:

No data available

Viscosity at °C:

RV1 bestimmt Labor

Explosive properties:

No data available

Oxidising properties:

No data available

9.2. Other information

Solid content (%):

63 Wt %

solvent content:

Organic solvents:

3 Wt %

Water:

34 Wt %

SECTION 10: Stability and reactivity

10.1. Reactivity

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 28-823
Print date: 05.08.2019
Version: 1.54

ISO-Malervorlack Airless
Revision date: 30.07.2019
Issue date: 30.07.2019

EN
Page 6 / 9

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

1,2-Propanediol

oral, LD50, Rat: > 5000 mg/kg

dermal, LD50, Rabbit: > 2000 mg/kg

inhalative (vapours), LC50, Rat: > 20 mg/l (4 h)

Titanium dioxide

oral, LD50, Rat: > 5000 mg/kg

dermal, LD50, Rabbit: > 5000 mg/kg

inhalative (dust and mist), LC50, Rat: > 6,8 mg/l (4 h)

Bariumsulfat

oral, LD50, Rat 307000 - 364000 mg/kg

2-(2-butoxyethoxy)ethanol

oral, LD50, Rat: > 2000 mg/kg 2410 - 3305 mg/kg

dermal, LD50, Rabbit: 2764 mg/kg

Method: OECD 402

inhalative (dust and mist), LC50, Rat: > 29 mg/l (2 h)

Method: OECD 403

Skin corrosion/irritation; Serious eye damage/eye irritation

2-(2-butoxyethoxy)ethanol

eyes

irritant.

Respiratory or skin sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

STOT-single exposure; 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.

Practical experience/human evidence

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Article No.: 28-823
Print date: 05.08.2019
Version: 1.54

ISO-Malervorlack Airless
Revision date: 30.07.2019
Issue date: 30.07.2019

EN
Page 7 / 9

Remark

There is no information available on the preparation itself . The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

12.1. Toxicity

1,2-Propanediol

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 40613 mg/l (96 h)

Daphnia toxicity, EC50, Mysidopsis bahia: 18800 mg/l (48 h)

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 19000 mg/l (96 h)

Titanium dioxide

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 100 mg/l (96 h)

Daphnia toxicity, LC50, Daphnia magna: > 100 mg/l (48 h)

Algae toxicity, EC50, Pseudokirchneriella subcapitata: 16 mg/l (72 h)

Bariumsulfat

Fish toxicity, LC50: 174 mg/l (96 h)

Method: OECD 203

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 14,5 mg/l (48 h)

Method: OECD 202

Algae toxicity, EC50: > 100 mg/l (72 h)

Method: OECD 201

2-(2-butoxyethoxy)ethanol

Fish toxicity, LC50, Lepomis macrochirus (Bluegill): 1300 mg/l (96 h)

Method: OECD 203

Daphnia toxicity, EC50: > 100 mg/l (48 h)

Bacteria toxicity, EC50: 255 mg/l

Algae toxicity, EC50, Scenedesmus subspicatus: > 100 mg/l (96 h)

Method: OECD 201

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

1,2-Propanediol

Biodegradation: 81,9

Method: OECD 301F

2-(2-butoxyethoxy)ethanol

Biodegradation: > 70 % (28 d); evaluation Readily biodegradable (according to OECD criteria)

Method: OECD 301E

12.3. Bioaccumulative potential

1,2-Propanediol

Partition coefficient n-octanol /water (log P O/W):: -0,92

2-(2-butoxyethoxy)ethanol

Partition coefficient n-octanol /water (log P O/W):: 1

Method: OECD 117

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

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. Other adverse effects

No information available.

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 28-823
Print date: 05.08.2019
Version: 1.54

ISO-Malervorlack Airless
Revision date: 30.07.2019
Issue date: 30.07.2019

EN
Page 8 / 9

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 08 01 11

Appropriate disposal / Package Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

14.1. UN number

No data available

14.2. UN proper shipping name

14.3. Transport hazard class(es)

No data available

14.4. Packing group

No data available

14.5. Environmental hazards

Land transport (ADR/RID)

No data available

Marine pollutant

No data available

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code

-

Sea transport (IMDG)

EmS-No.

No data available

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

EU legislation

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

This product is not classified according to Directive 2012/18/EU.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

VOC product category: (Cat. A/d) ; VOC limit value: 130 g/l

Maximum VOC content (g/L) of the product in a ready to use condition: 130

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 28-823
Print date: 05.08.2019
Version: 1.54

ISO-Malervorlack Airless
Revision date: 30.07.2019
Issue date: 30.07.2019

EN
Page 9 / 9

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No. CAS No.	Designation	REACH No.
203-961-6 112-34-5	2-(2-butoxyethoxy)ethanol	01-2119475104-44

SECTION 16: Other information

Full text of classification in section 3:

Eye Irrit. 2 / H319 Serious eye damage/eye irritation Causes serious eye irritation.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

Data sources:

Data arise from reference works and literature.

Further information

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.