

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

1.1 Product identifier

Trade name: **MEGA 050 Aqualack Vorlack**

Safety data sheet number: 07-071246413701

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 Coating agent

Uses advised against

This product is not suitable for uses other than those specified in the "Use of the substance/mixture". If your particular manner of use is not listed, please contact the creator of this safety data sheet.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MEGA eG

Fangdieckstrasse 45

22547 Hamburg

Germany

Phone: +4940/54004-0

Fax : +4940/54004-9

Further information obtainable from:

Department "Product range Paint and varnish"

Phone: +49 (0)40 54004-0

E-mail: technik@mega.de

1.4 Emergency telephone number:

+4940 / 54 00 4 - 528 (Mon - Thu 7.15am - 4.30pm, Fri 7.15am - 12.00am)

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

Precautionary statements

P280 Wear protective gloves.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

(Contd. on page 2)

Trade name: MEGA 050 Aqualack Vorlack

(Contd. of page 1)

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17-xxxx	Titanium dioxide ----- Carc. 2, H351	10-25%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	<5%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-xxxx	2-Butoxyethanol ----- Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<2.5%

Additional information: For the wording of the listed hazard phrases refer to 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.

Soiled, soaked clothes immediately take off.

Never give anything by mouth to an unconscious person.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Wash with plenty of soap and water.

In case of skin reactions consult a physician. Do not scratch.

After eye contact:

Remove contact lenses. Keep eye lids open and rinse plentifully for at least 10 minutes with clean running water. Subsequently consult an ophthalmologist.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing:

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

Trade name: **MEGA 050 Aqualack Vorlack**

(Contd. of page 2)

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Extinguishing powder, foam, carbon dioxide.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Fire will produce dangerous decomposition products like dense, black smoke, carbon dioxide (CO₂), carbon monoxide (CO) and nitrogen oxides (NO_x). Inhalation may cause serious health damage.

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Keep contaminated washing water and dispose of appropriately.

6.3 Methods and material for containment and cleaning up:

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

Dispose of the material collected according to regulations.

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 disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid the handling of incompatible substances and mixtures. Incompatible substances: see section 10.5

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Make sure spills can be contained, e.g. in sump pallets.

Protect from frost, heat and direct sunlight. Keep tightly closed, cool and dry.

(Contd. on page 4)

Trade name: **MEGA 050 Aqualack Vorlack**

(Contd. of page 3)

Information about storage in one common storage facility:

Note the rules for common storage in accordance with TRGS 510 - "Storage of hazardous substances in transportable containers".

Store away from foodstuffs.

Further information about storage conditions: None.

Storage class: 12

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information about design of technical facilities:

Ensure a good ventilation. This can be achieved by local exhaustion or general exhaust air.

Ingredients with limit values that require monitoring at the workplace:

1,2-Propylen-glycol

MAK (Germany) als Dampf und Aerosol;vgl.Abschn.IIb und Xc

34590-94-8 Dipropylene glycol monomethyl ether

AGW (Germany) Long-term value: 310 mg/m³, 50 ppm
1(I);DFG, EU, 11

IOELV (EU) Long-term value: 308 mg/m³, 50 ppm
Skin

111-76-2 2-Butoxyethanol

AGW (Germany) Long-term value: 49 mg/m³, 10 ppm
2(I);EU, DFG; H, Y

IOELV (EU) Short-term value: 246 mg/m³, 50 ppm
Long-term value: 98 mg/m³, 20 ppm
Skin

Regulatory information

AGW (Germany): TRGS 900

IOELV (EU): (EU) 2019/1831

Ingredients with biological limit values:

111-76-2 2-Butoxyethanol

BGW (Germany) 150 mg/g Kreatinin
Untersuchungsmaterial: Urin
Probennahmezeitpunkt: Expositionsende bzw. Schichtende, bei Langzeitexposition:
am Schichtende nach mehreren vorangegangenen Schichten
Parameter: Butoxyessigsäure (nach Hydrolyse)

Regulatory information BGW (Germany): TRGS 903

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls Provide good ventilation and/or an exhaust system in the work area.

Personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

(Contd. on page 5)

Trade name: MEGA 050 Aqualack Vorlack

(Contd. of page 4)

Immediately remove all soiled and contaminated clothing
Do not eat, drink, smoke or sniff while working.
Use skin protection cream for skin protection.

Respiratory protection:

Use always breathing protection with splashing medium.
Use combination filter type A(-P2) according to EN 141.

Protection of hands:

Work with gloves. Gloves must be inspected for damage before use. Defective or damaged gloves must not be used. Gloves must satisfy the specifications of EC directive 89/686/EWG and standard EN 374.

Material of gloves

Nitrile rubber

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.

Eye protection:

Tightly sealed safety goggles are to be worn during all work, in accordance with EN 166.
Professional Cooperative Rules - BGR 192 Use of eye and face protection

Body protection: Impervious protective clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid
Colour: Different according to colouring

Odour: Weak after glycol ethers

Odour threshold: For mixtures not applicable.

pH-value at 20 °C: 8-9

Change in condition

Melting point/Freezing point: Not security-related.
Initial boiling point and boiling range: 100 °C (H₂O)

Flash point: Not applicable.

Flammability (solid, gas): Not applicable.

Ignition temperature: Not applicable.

Decomposition temperature: For mixtures not applicable.

Auto-ignition temperature: Product is not selfigniting.

(Contd. on page 6)

Trade name: MEGA 050 Aqualack Vorlack

(Contd. of page 5)

Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Oxidising properties	In its condition as supplied, the product is neither flammable nor oxidising.
Vapour pressure at 20 °C:	23 hPa (H ₂ O)
Relative density at 20 °C	1.13-1.41
Vapour density	Not applicable.
Evaporation rate	For mixtures not applicable.
Solubility in / Miscibility with water:	Miscible / waterdilutable.
polar solvents:	Partly miscible.
non-polar solvents:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	For mixtures not applicable.
Viscosity:	Not security-related.
Solvent content:	
VOC (EC)	VOC limit 2010 for Category d (WB): 130g/l.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions are known.
No further relevant information available.

10.2 Chemical stability Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.
No dangerous reactions are known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: strong oxidizing agents

10.6 Hazardous decomposition products:

In case of fire arise: smoke and carbon oxides. Under certain fire conditions tracks of other toxic products can not be excluded.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

The product is not tested as one of the above but rather is classified according to the conventional method (calculation procedure set out in the EU Regulation (EC) No 1272/2008) and according to the toxicological risks. See chapters 2 and 3 for detail.

(Contd. on page 7)

Trade name: MEGA 050 Aqualack Vorlack

(Contd. of page 6)

LD/LC50 values relevant for classification:

The quoted data are literature values and/or manufacturer/supplier data.

111-76-2 2-Butoxyethanol

Oral	LD ₅₀	470 mg/kg (rat) (OECD 401)
Dermal	LD ₅₀	1,100 mg/kg (ATE)
Inhalative	LC ₅₀ / 4 h	11 mg/l (ATE)

67674-67-3 3-(Polyoxyethylene)propylheptamethyltrisiloxane

Inhalative	LC ₅₀ / 4 h	11 mg/l (ATE)
------------	------------------------	---------------

Specific symptoms in biological assay:

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

The product contains sensitising substances that could cause allergic reactions (see sections 2 and 3).

Additional toxicological information:**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

The product is not classified as carcinogenic, mutagenic or toxic to reproduction (CMR properties).

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

The mixture contains no or only small amounts of materials which are classified as an aspiration hazard. It can therefore be assumed that the mixture is not an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:****111-76-2 2-Butoxyethanol**

EC ₅₀ / 24 h	1,800 mg/l (Daphnia magna (big water flea))
EC ₅₀ / 72 h	911 mg/l (Selenastrum capricornutum)
LC ₅₀ / 96 h	1,700 mg/l (Oncorhynchus mykiss (rainbow trout))
	>100 mg/l (Lepomis macrochirus (bluegill))

67674-67-3 3-(Polyoxyethylene)propylheptamethyltrisiloxane

EC ₅₀ / 48 h	1-10 mg/l (Daphnia magna (big water flea))
LC ₅₀ / 96 h	1-10 mg/l (fish)

(Contd. on page 8)

Trade name: MEGA 050 Aqualack Vorlack

UN "Model Regulation":

Void

(Contd. of page 8)

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.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

National regulations:

Information about limitation of use:

Observe employment restrictions concerning young persons.

Observe employment restrictions for expectant or nursing mothers.

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Labelling according to Regulation (EC) No 2004/42

VOC limit according to 2004/42/EC for category d (WB) and maximum VOC content: see lid.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The given conditions of work of the user extract themselves from our knowledge and control. The product/the preparation may be used without written permission for no other use, than the mentioned intended purpose. The user is responsible for the observance of all necessary legal instructions.

This Safety Data Sheet replaces all previous versions. With the newest version in each case, the preceding Safety Data Sheets are set out of strength.

For further information please consult the "Technical Data Sheet".

Misuse may cause damage to health and environment.

Labelling according to regulation (EC) No 528/2012

Additional information:

Contains biocidal products: Preservatives for products during storage.

Contains mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Safety data sheet available on request.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Relevant phrases

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H351 Suspected of causing cancer.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 23.02.2021

Version number 04-00

Revision: 19.02.2021

Trade name: MEGA 050 Aqualack Vorlack

(Contd. of page 9)

Abbreviations and acronyms:

Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Carc. 2: Carcinogenicity – Category 2

Sources

- Regulation 1907/2006/EC (REACH-Regulation)
 - Regulation 1272/2008/EC (CLP-Regulation)
- * **Data compared to the previous version altered.** Replaces version 03-00

DE/EN