

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

### 1.1 Product identifier

Trade name: **MEGA 052 Aqualack Epoxi-Grund 2K**

Safety data sheet number: 07-071242793701

### 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

Eye Dam. 1      H318 Causes serious eye damage.

Aquatic Chronic 3    H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS05

**Signal word** Danger

#### Hazard-determining components of labelling:

Polymer of diethylenetriamine, triethylenetetramine, epichlorohydrin, ethylene oxide, bisphenol-A, bisphenol-F, phenol, C12-C14 alkylalcohol

#### Hazard statements

H318 Causes serious eye damage.

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H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

- P273 Avoid release to the environment.  
 P280 Wear protective gloves / eye 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.  
 P310 Immediately call a doctor.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Additional information:

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

### 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: 1311389-92-0	Polymer of diethylenetriamine, triethylenetetramine, epichlorohydrin, ethylene oxide, bisphenol-A, bisphenol-F, phenol, C12-C14 alkylalcohol Eye Dam. 1, H318	≥10-≤25%
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-xxxx	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<1%
CAS: 24468-28-8 EINECS: 246-279-4	1,3,5-Triazin-2,4,6-(1H,3H,5H)-trion, Zinksalz Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<1%
CAS: 7632-00-0 EINECS: 231-555-9 Reg.nr.: 01-2119471836-27-xxxx	sodium nitrite Ox. Sol. 3, H272; Acute Tox. 3, H301; Aquatic Acute 1, H400	≥0-<0.25%

**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.

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

**After skin contact:** Wash with plenty of soap and water.

**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.

Subsequently seek the immediate attention of 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**

No further relevant information available.

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

Symptomatic treatment.

## 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 (CO<sub>2</sub>), carbon monoxide (CO) and nitrogen oxides (NO<sub>x</sub>). 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.

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Use neutralising agent.

#### 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.

#### 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:** No data.

**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.

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.

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**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.

Have eye wash bottle or eye rinse ready at work place.

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:** 10-11

##### Change in condition

**Melting point/Freezing point:** Not security-related.

**Initial boiling point and boiling range:** 100 °C (H<sub>2</sub>O)

**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.

**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.

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<b>Vapour pressure at 20 °C:</b>	23 hPa (H <sub>2</sub> O)
<b>Relative density at 20 °C</b>	1.44-1.58
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	For mixtures not applicable.
<b>Solubility in / Miscibility with water:</b>	Miscible / waterdilutable.
<b>polar solvents:</b>	Partly miscible.
<b>non-polar solvents:</b>	Not miscible or difficult to mix.
<b>Partition coefficient: n-octanol/water:</b>	For mixtures not applicable.
<b>Viscosity:</b>	Not security-related.
<b>Solvent content:</b>	
<b>VOC (EC)</b>	VOC limit 2010 for Category j (WB): 140g/l.
<b>9.2 Other information</b>	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.

#### LD/LC50 values relevant for classification:

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

#### 7632-00-0 sodium nitrite

Oral	LD <sub>50</sub>	88 mg/kg (rat)
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#### Specific symptoms in biological assay:

**Skin corrosion/irritation** May cause irritations.

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**Serious eye damage/irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**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:**

Harmful to aquatic life with long lasting effects.

**1314-13-2 zinc oxide**EC<sub>50</sub> / 48 h 0.17 mg/l (daphnia)LC<sub>50</sub> / 96 h 0.14 mg/l (Oncorhynchus mykiss (rainbow trout))IC<sub>50</sub> / 72 h 0.17 mg/l (algae)  
literature**7632-00-0 sodium nitrite**LC<sub>50</sub> / 96 h 0.19 mg/l (Oncorhynchus mykiss (rainbow trout))**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.**General notes:** Do not allow product to reach ground water, water course or sewage system.**12.5 Results of PBT and vPvB assessment**

This product does not contain relevant substances that have been assessed as persistent, bioaccumulative and toxic (PBT) or as very persistent and very bioaccumulative (vPvB).

**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.

DE/EN

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations.

#### European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
HP4	Irritant - skin irritation and eye damage
HP7	Carcinogenic
HP14	Ecotoxic

## SECTION 14: Transport information

### 14.2 UN proper shipping name

#### UN-Number

ADR, ADN, IMDG, IATA Void

ADR, ADN, IMDG, IATA Void

### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void

#### 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.

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.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

#### 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.

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**Labelling according to Regulation (EC) No 2004/42**

VOC limit according to 2004/42/EC for category j (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:**

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

**Relevant phrases**

H272 May intensify fire; oxidiser.

H301 Toxic if swallowed.

H318 Causes serious eye damage.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Classification according to Regulation (EC) No 1272/2008**

Serious eye damage/eye irritation

Hazardous to the aquatic environment - long-term  
(chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Abbreviations and acronyms:**

Ox. Sol. 3: Oxidizing solids – Category 3

Acute Tox. 3: Acute toxicity - oral – Category 3

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Carc. 2: Carcinogenicity – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**Sources**

- Regulation 1907/2006/EC (REACH-Regulation)

- Regulation 1272/2008/EC (CLP-Regulation)

\* **Data compared to the previous version altered.** Replaces version 02-02