

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

Printing date 28.10.2016

Version number 4

Revision: 30.11.2015

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

\* **1.1 Product identifier**

\* **Trade name** **Arte Mundit Typ V, Komp. B**

\* **Article number:** 222028

\* **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** Surface cleaning

\* **1.3 Details of the supplier of the safety data sheet**

\* **Manufacturer/Supplier:**

Remmers GmbH  
Postfach 1255  
D-49624 Lönningen / Germany  
Tel.: +49(0)5432/83-0  
Fax: +49(0)5432/3985

Remmers (UK) Limited  
Unit B1 The Fleming Centre  
West Sussex RH10 9NN  
fon +44 (0) 1293 594 010  
fax +44 (0) 1293 594 037

\* **Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010  
E-Mail: sales@remmers.co.uk

\* **1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

\* **SECTION 2: Hazards identification**

\* **2.1 Classification of the substance or mixture**

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

Acute Tox. 4 H302 Harmful if swallowed.

Eye Dam. 1 H318 Causes serious eye damage.

\* **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xn; Harmful

R22: Harmful if swallowed.

Xi; Irritant

R41: Risk of serious damage to eyes.

\* **Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

\* **2.2 Label elements**

\* **Labelling according to Regulation (EC) No 1272/2008**

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

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## \* Hazard pictograms



GHS05 GHS07

## \* Signal word Danger

## \* Hazard-determining components of labelling:

tetrasodium ethylenediaminetetraacetate  
methanol

## \* Hazard statements

H302 Harmful if swallowed.  
H318 Causes serious eye damage.

## \* Precautionary statements

P260 Do not breathe mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P273 Avoid release to the environment.  
P271 Use only outdoors or in a well-ventilated area.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## \* Additional information:

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). May produce an allergic reaction.

## \* 2.3 Other hazards

## \* Results of PBT and vPvB assessment

\* PBT: Not applicable.

\* vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

## \* 3.2 Chemical characterisation: Mixtures

\* Description: Mixture of the substances listed below with harmless additions.

## \* Dangerous components:

CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2 Reg.nr.: 01-2119486762-27-XXXX	tetrasodium ethylenediaminetetraacetate Xn R22; Xi R41 Eye Dam. 1, H318; Acute Tox. 4, H302	40-60%
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X Reg.nr.: 01-2119433307-44-XXXX	methanol T R23/24/25-39/23/24/25; F R11 Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	≤0.5%
CAS: 55965-84-9 Index number: 613-167-00-5	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) T R23/24/25; C R34; Xi R43; N R50/53 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≤0.1%

\* Additional information For the wording of the listed hazard phrases refer to section 16.

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## SECTION 4: First aid measures

### \* 4.1 Description of first aid measures

#### \* General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

\* **After inhalation** Seek medical treatment in case of complaints.

#### \* After skin contact

Remove contaminated clothing.

If skin irritation continues, consult a doctor.

#### \* After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

#### \* After swallowing

Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

### \* 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

No further relevant information available.

## \* SECTION 5: Firefighting measures

### \* 5.1 Extinguishing media

#### \* Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

\* **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

#### \* 5.3 Advice for firefighters

##### \* Protective equipment:

Wear self-contained breathing apparatus.

Put on breathing apparatus.

## \* SECTION 6: Accidental release measures

### \* 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Put on breathing apparatus.

Wear protective equipment. Keep unprotected persons away.

### \* 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Do not allow product to reach sewage system or water bodies.

Inform responsible authorities in case product reaches bodies of water or sewage system.

Dilute with plenty of water.

### \* 6.3 Methods and material for containment and cleaning up:

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

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

### \* 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

Keep containers tightly sealed.

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of aerosols.

### \* Information about protection against explosions and fires:

The product is not flammable

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Keep breathing equipment ready.

\* **7.2 Conditions for safe storage, including any incompatibilities**

\* **Storage**

\* **Requirements to be met by storerooms and containers:** Store only in the original container.

\* **Information on storage in a common storage facility:** none

\* **Further information about storage conditions:**

Store container in a well ventilated position.

Protect from frost.

Keep container tightly closed.

\* **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.

\* **8.1 Control parameters**

\* **Components with limit values that require monitoring at the workplace:**

**CAS: 67-56-1 methanol**

WEL Short-term value: 333 mg/m<sup>3</sup>, 250 ppm

Long-term value: 266 mg/m<sup>3</sup>, 200 ppm

Sk

\* **Additional information:** The lists that were valid during compilation were used as a basis.

\* **8.2 Exposure controls**

\* **Personal protective equipment**

\* **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Do not inhale gases / vapours / aerosols.

Avoid contact with eyes and skin.

\* **Respiratory equipment:**

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

\* **Protection of hands:**

Protective gloves or protective skin cream.

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

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** Break through time: max. 240 min (DIN EN 374).

\* **Eye protection:**

if there is a risk of splashes

Tightly sealed safety glasses.

\* **Body protection:** Light weight protective clothing

\* **SECTION 9: Physical and chemical properties**

\* **9.1 Information on basic physical and chemical properties**

\* **General Information**

\* **Appearance:**

Form:

Pasty

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<b>Colour:</b>	Yellowish
* <b>Odour:</b>	Odourless
* <b>Odour threshold:</b>	Not determined.
* <b>pH-value:</b>	Not determined.
* <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	100 °C
* <b>Flash point:</b>	Not applicable
* <b>Inflammability (solid, gaseous)</b>	Not applicable.
* <b>Ignition temperature:</b>	not applicable
* <b>Decomposition temperature:</b>	Not determined.
* <b>Self-inflammability:</b>	Product is not self-igniting.
* <b>Danger of explosion:</b>	Product is not explosive.
* <b>Explosive Limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
* <b>Vapour pressure at 20 °C:</b>	23 hPa
* <b>Density at 20 °C</b>	0.99 g/cm <sup>3</sup>
* <b>Relative density</b>	Not determined.
* <b>Vapour density</b>	Not determined.
* <b>Evaporation rate</b>	Not determined.
* <b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Fully miscible
* <b>Distribution coefficient (n-octanol/water):</b>	Not determined.
* <b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic:</b>	Not determined.
* <b>Solvent separation test</b>	< 3 %
* <b>Organic solvents:</b>	0.0 %
* <b>9.2 Other information</b>	No further relevant information available.

#### SECTION 10: Stability and reactivity

- \* **10.1 Reactivity** No further relevant information available.
- \* **10.2 Chemical stability**
- \* **Thermal decomposition / conditions to be avoided:**  
No decomposition if handled and stored 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:**  
May be released in fire:  
Nitrous vitriol gases

#### \* SECTION 11: Toxicological information

- \* **11.1 Information on toxicological effects**
- \* **Acute toxicity:**  
Harmful if swallowed.

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**\* LD/LC50 values that are relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral LD50 1072 mg/kg  
 Dermal LD50 152752 mg/kg  
 Inhalative LC50/4 h 1528 mg/l

**\* Primary irritant effect:**

**\* Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**\* Serious eye damage/irritation**

Causes serious eye damage.

**\* 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.

**\* 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:**

Do not allow product to reach ground water, bodies of water or sewage system.

Do not allow undiluted or non-neutralised product to reach the sewage system or receiving waters.

Hazardous to drinking water even if small quantities leak into soil.

**\* 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**

Not hardened material must be disposed of as hazardous waste according to official regulations.

Hardened product remains may be disposed of as building rubble or put into household garbage.

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

**\* European waste catalogue**

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

**\* Uncleaned packaging:**

**\* Recommendation:** Disposal must be made according to official regulations.

**\* Recommended cleaning agent:** Water, if necessary with cleaning agent.

**\* SECTION 14: Transport information**

**\* 14.1 UN-Number**

**\* ADR, ADN, IMDG, IATA** Void

**\* 14.2 UN proper shipping name**

**\* ADR, ADN, IMDG, IATA** Void

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**\* 14.3 Transport hazard class(es)****\* ADR, ADN, IMDG, IATA****\* Class** Void**\* 14.4 Packing group****\* ADR, IMDG, IATA** Void**\* 14.5 Environmental hazards:****\* Marine pollutant:** No**\* 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 a hazardous good according to the above regulations.**\* 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** methanol**\* REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**\* National regulations****\* Other regulations, limitations and prohibition ordinances**

Observe the usual protective measures when working and for storage.

**\* 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

**\* Relevant phrases**

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H370 Causes damage to organs.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R11 Highly flammable.

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**\* Department issuing data specification sheet:** Product Safety department / EHS**\* 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

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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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

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