

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

Printing date 28.10.2016

Version number 1

Revision: 27.07.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking*** 1.1 Product identifier***** Trade name ARTE MUNDIT ECO***** Article number:** 0022203000*** 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
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D-49624 Lönningen / Germany
Tel.: +49(0)5432/83-0
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Remmers (UK) Limited
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*** 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

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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**

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

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

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*** Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

*** 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.

*** Hazard pictograms** Void*** Signal word** Void

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*** Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

*** Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P273 Avoid release to the environment.

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

*** Additional information:**

EUH208 Contains zinc bis(dibutyldithiocarbamate). 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: 164462-16-2	Trisodium 2-[bis(carboxylatomethyl)amino]propanoate	1-2.5%
ELINCS: 423-270-5	Met. Corr.1, H290	
Reg.nr.: 01-0000016977-53-XXXX		

CAS: 1314-13-2	zinc oxide	≤1.0%
EINECS: 215-222-5	N R50/53	
Index number: 030-013-00-7	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
Reg.nr.: 01-2119463881-32-XXXX		

CAS: 136-23-2	zinc bis(dibutyldithiocarbamate)	≤1.0%
EINECS: 205-232-8	Xi R36/37/38; Xi R43; N R50/53	
Index number: 006-081-00-9	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	

CAS: 1336-21-6	ammonia, aqueous solution	≤1.0%
EINECS: 215-647-6	C R34; N R50	
Index number: 007-001-01-2	Skin Corr. 1B, H314; Aquatic Acute 1, H400	

*** 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***** After inhalation** Seek medical treatment in case of complaints.*** After skin contact** If skin irritation continues, consult a doctor.*** After eye contact** Rinse opened eye for several minutes under running water.*** After swallowing**

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

*** 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**CO₂, 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.

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*** 5.3 Advice for firefighters***** Protective equipment:** No special measures required.**SECTION 6: Accidental release measures***** 6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

*** 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).

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**

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of aerosols.

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

Traces of flammable substances may collect in the head spaces of enclosed systems. Keep ignition sources away.

*** 7.2 Conditions for safe storage, including any incompatibilities***** Storage***** Requirements to be met by storerooms and containers:** No special requirements.*** Information on storage in a common storage facility:** none*** Further information about storage conditions:**

Store container in a well ventilated position.

Protect from frost.

*** 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:**

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

*** 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.

Wash hands before pauses and after work.

*** 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.

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

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*** 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*** Body protection:** Closed work clothing**SECTION 9: Physical and chemical properties***** 9.1 Information on basic physical and chemical properties***** General Information***** Appearance:****Form:**

Pasty

Colour:

According to product specification

*** Odour:**

Type specific

*** Odour threshold:**

Not determined.

*** pH-value:**

Not determined.

*** Change in condition****Melting point/Melting range:**

Not determined

Boiling point/Boiling range:

Not determined

*** Flash point:**

Not applicable

*** Inflammability (solid, gaseous)**

Not applicable.

*** Ignition temperature:**

not applicable

*** Decomposition temperature:**

Not determined.

*** Self-inflammability:**

Product is not self-igniting.

*** Danger of explosion:**

Product is not explosive.

*** Explosive Limits:****Lower:**

Not determined.

Upper:

Not determined.

*** Vapour pressure:**

Not determined.

*** Density at 20 °C**0.94 g/cm³*** Relative density**

Not determined.

*** Vapour density**

Not determined.

*** Evaporation rate**

Not determined.

*** Solubility in / Miscibility with****Water:**

Fully miscible

*** Distribution coefficient (n-octanol/water):** Not determined.*** Viscosity:****dynamic:**

Not determined.

kinematic:

Not determined.

*** Solvent separation test**

< 3 %

*** Organic solvents:**

0.0 %

*** 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 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:** 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.
- * **LD/LC50 values that are relevant for classification:** No further relevant information available.
- * **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.
- * **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.
- * **Ecotoxicological effects:**
- * **Remark:** Harmful to fish
- * **Additional ecological information:**
- * **General notes:**
Do not allow product to reach ground water, bodies of water or sewage system.
Harmful to aquatic organisms
- * **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**
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

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* 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:	
* 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** None of the ingredients is listed.
- * **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**

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
.....	
R34	Causes burns.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
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
 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

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PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Met. Corr. 1: Corrosive to metals – Category 1
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
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