

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010



ArmaReno 700

Version 1.1

Revision Date 25.04.2014

Print Date 11.11.2014

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

1.1 Product identifier

Trade name : ArmaReno 700

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

Use of the Substance/Mixture : Glue and reinforcing compound

Recommended restrictions on use : within adequate application - none

1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke Bautenschutz GmbH
Roßdörfer Straße 50
64372 Ober-Ramstadt

Telephone : +496154710
Telefax : +49615471222
E-mail address : msds@dr-rmi.com
Responsible/issuing person

Emergency telephone number/ : 0049(0)6154/71-202 sds@daw.de
E-mail address

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation , Category 2 H315: Causes skin irritation.
Serious eye damage , Category 1 H318: Causes serious eye damage.

Classification (67/548/EEC, 1999/45/EC)

Irritant R38: Irritating to skin.
R41: Risk of serious damage to eyes.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

SAFETY DATA SHEET


according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700


Version 1.1

Revision Date 25.04.2014

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Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H318 Causes serious eye damage. H315 Causes skin irritation.
Precautionary statements	:	Prevention: P260 Do not breathe vapours/ spray. P262 Do not get in eyes, on skin, or on clothing. P281 Use personal protective equipment as required. Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P313 Get medical advice/ attention.

Labelling according to EC Directives: 1999/45/EC

Hazard symbols	:	
		Irritant
R-phrase(s)	:	R38 Irritating to skin. R41 Risk of serious damage to eyes.
S-phrase(s)	:	S 2 Keep out of the reach of children. S22 Do not breathe dust. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S46 If swallowed, seek medical advice immediately and show this container or label. S56 Dispose of this material and its container to hazardous or special waste collection point.

2.3 Other hazards

None known.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : powdered form

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Cement, portland, chemicals	65997-15-1 266-043-4	Xi; R37/38-R41	Skin Irrit.2; H315 Eye Dam.1; H318 STOT SE3; H335 Skin Sens.1; H317	>= 10 - < 20
calcium dihydroxide	1305-62-0 215-137-3 01-2119475151- 45-xxxx	Xi; R38 R41	Skin Irrit.2; H315 Eye Dam.1; H318	>= 5 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
No hazards which require special first aid measures.
- If inhaled : If breathed in, move person into fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water while
removing all contaminated clothes and shoes.
If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse
immediately with plenty of water, also under the eyelids, for at
least 15 minutes.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Not combustible.
Unsuitable extinguishing media : not applicable

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Further information : The product itself does not burn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.
Ensure adequate ventilation.
Refer to protective measures listed in sections 7 and 8.
Treat recovered material as described in the section "Disposal considerations".

6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Prevent dust from forming and collect any dust mechanically.

Collect spilled product while avoiding dust formation and dispose of it as described in Section 13.

6.4 Reference to other sections

For further information see Section 8 & 13 of the safety data sheet.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid creating dust.
Avoid contact with skin and eyes.
Even diluted mixed products containing cement can cause irritation.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

Print Date 11.11.2014

Advice on protection against fire and explosion : not applicable The product is not flammable.

Hygiene measures : Avoid contact with the skin and the eyes. Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep in a dry, cool place. Observe label precautions.

Advice on common storage : Keep away from food and drink.
Never allow product to get in contact with water during storage.
Do not store near acids.

Other data : Aqueous cement suspensions have an alkaline effect.

7.3 Specific end use(s)

Specific use(s) : Please follow the technical information of the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Cement, portland, chemicals	65997-15-1	AGW (Inhalable fraction)	5 mg/m ³	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
calcium dihydroxide	1305-62-0	TWA	5 mg/m ³	91/322/EEC
Further information	Existing scientific data on health effects appear to be particularly limited, Indicative			

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
German trade association rules - BGR 192 Eye protection

Hand protection

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

Print Date 11.11.2014

Material	: Nitrile rubber
Break through time	: 240 min
Glove thickness	: 0,4 mm
Remarks	: Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374.
Skin and body protection	: Dust impervious protective suit Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	: In the case of dust or aerosol formation use respirator with an approved filter. No personal respiratory protective equipment normally required. German trade association rules - BGR 190 Breathing protection
Protective measures	: German trade association leaflet: M 004 irritating substance/corrosive substance.

Environmental exposure controls

General advice	: Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: powder
Colour	: off-white
Odour	: characteristic
Odour Threshold	: not applicable
pH	: 11,0 - 13,5, in contact with water
Melting point/range	: not determined
Boiling point/boiling range	: not applicable
Flash point	: Remarks: not applicable
Evaporation rate	: not applicable
Flammability (solid, gas)	: The product is not flammable.
Upper explosion limit	: not applicable
Lower explosion limit	: not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

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Vapour pressure	: not determined
Relative vapour density	: not applicable
Relative density	: no data available
Density	: 1,5 kg/dm ³
Bulk density	: 1.040 - 1.140 kg/m ³
Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: not determined
Thermal decomposition	: not applicable
Flow time	: not applicable
Explosive properties	: not applicable
Oxidizing properties	: no data available

9.2 Other information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

This information is not available.

10.2 Chemical stability

This information is not available.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Exposure to air or moisture over prolonged periods.

10.5 Incompatible materials

Materials to avoid : Acids
humid air and water
Ammonium salts

10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

Print Date 11.11.2014

Acute toxicity

Product:

Acute oral toxicity : Remarks: No data is available on the product itself.

Acute inhalation toxicity : Remarks: No data is available on the product itself.

Acute dermal toxicity : Remarks: No data is available on the product itself.

Acute toxicity (other routes of administration) : Remarks: No data is available on the product itself.

Components:

calcium dihydroxide:

Acute oral toxicity : LD50 Oral rat: 7.340 mg/kg

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation

Product:

Remarks: May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Product:

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Product:

Remarks: no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

Print Date 11.11.2014

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

Further information

Product:

Remarks: May cause irritation of respiratory tract., May cause irritation of the mucous membranes.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data is available on the product itself.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data is available on the product itself.

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: no data available

no data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

Partition coefficient: n-octanol/water : Remarks: not determined

12.4 Mobility in soil

Product:

Mobility : Remarks: no data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : no data available

12.6 Other adverse effects

Product:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

Print Date 11.11.2014

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Can be landfilled after concentration, when in compliance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 Proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : see sections 6-8

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class (Germany) : 1 slightly water endangering
Remarks: VVWS A4

Product code for laquers and paints / Giscode : ZP1 Products containing cement, low-chromate (additional information: www.wingis-online.de)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

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Volatile organic compounds	: Directive 2004/42/EC 0 % < 1 g/l
Other regulations	: Take note of Dir 94/33/EC on the protection of young people at work. Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of R-Phrases

R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.

Full text of H-Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Full text of other abbreviations

Eye Dam.	Serious eye damage
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT SE	Specific target organ toxicity - single exposure

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REACH and GHS/CLP Information

According to our legal obligations we will implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and GHS respectively the Regulation (EC) No 1272/2008. REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) No. 453/2010

ArmaReno 700

Version 1.1

Revision Date 25.04.2014

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Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31,2018.

The amendment of safety data sheets of mixtures or preparations in accordance with GHS /CLP regulation will be carried out during a transitional period until June 1, 2015. We will conduct the adjustment of our safety data sheets during the time frame of the transitional period as soon as new information is available from our suppliers.