



## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 1 of 10

## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the substance or preparation

100.000 Reina-MULTI-Colle Multi Purpose Cement

### Use of the substance/preparation

adhesives

Roller application or brushing of adhesive and other coating.

### Company/undertaking identification

Company name:	Renia - GmbH	
	Chemische Fabrik	
Street:	Ostmerheimer Straße 516	
Place:	D-51109 Köln	
Post-office box:	910 659	
	D-51076 Köln	
Telephone:	+49-(0)221-630799-0	Telefax: +49-(0)221-630799-50
e-mail:	info@renia.com	
Contact person:	Herr Dr. Julian Grimme	Telephone: 17
Internet:	www.renia.com	
Responsible Department:	F & E, Labor	
Emergency telephone:	+49-(0)221-63079924	

## 2. Hazards identification

### Classification

Indications of danger : Highly flammable, Harmful, Irritant, Dangerous for the environment

R-phrases:

Possible risk of harm to the unborn child.

Highly flammable.

Irritating to eyes and skin.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

GHS:

Hazard categories:

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory/skin sensitization: Skin Sens. 1

Reproductive toxicity: Repr. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of damaging the unborn child.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

### Explication of special hazards for human health and environment

In use, may form flammable/explosive vapour-air mixture.



## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 2 of 10

### 3. Composition/information on ingredients

#### Chemical characterization ( Mixture )

grafted polychloroprene adhesive with modified synthetic resins and stabilizers in a mixture of organic solvents

#### Hazardous components

EC-No.	Chemical name	Quantity
CAS-No.	Classification	
REACH-No.	GHS classification	
205-500-4	ethyl acetate	30-50 %
141-78-6	F, Xi R11-36-66-67	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
270-690-8	Hydrocarbons, C>=5, C5-6-rich; Low boiling point naphtha - unspecified	25-35 %
68476-50-6	F, Xn, Xi, N R11-38-65-67-51-53	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225-H304-H315-H336-H411	
203-625-9	toluene	5-10 %
108-88-3	F, Repr. Cat. 3, Xn, Xi R11-63-48/20-65-38-67	
	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3; H225 H361d *** H304 H373 ** H315 H336	
201-297-1	methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate	1-3 %
80-62-6	F, Xi R11-37/38-43	
	Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H225 H335 H315 H317	

Full text of R- and H-phrases: see section 16.

### 4. First aid measures

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours. Consult a physician. If symptoms persist, call a physician.

#### After contact with skin

Take off all contaminated clothing immediately. Wash off with soap and water. Grease skin after contact.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

#### After ingestion

Do not induce vomiting. Call a physician immediately.

#### Advice to doctor

In case of shortness of breath, give oxygen. Risk of product entering the lungs on vomiting after ingestion.

### 5. Fire-fighting measures

#### Suitable extinguishing media

carbon dioxide (CO2) dry chemical foam water spray

#### Extinguishing media which must not be used for safety reasons

high volume water jet

#### Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases



## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 3 of 10

In the event of fire and/or explosion do not breathe fumes. In case of fire production of HCl-gases.

**Special protective equipment for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

**Additional information**

Use water spray to cool unopened containers.

## 6. Accidental release measures

**Personal precautions**

Remove all sources of ignition. When using do not smoke. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Dispose of as special waste in compliance with local and national regulations

## 7. Handling and storage

**Handling****Advice on safe handling**

Use only in well-ventilated areas. Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. In use, may form flammable/explosive vapour-air mixture.

**Storage****Requirements for storage rooms and vessels**

Keep containers tightly closed in a cool, well-ventilated place. Keep at temperatures between 5 and 40°C.

**Advice on storage compatibility**

Keep away from food, drink and animal feedingstuffs.

**Further information on storage conditions**

Keep away from heat. Protect against freezing. Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight.

Storageclass (VCI):

3

## 8. Exposure controls/personal protection

**Exposure limit values**

## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 4 of 10

#### Exposure limits (EH40)

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
68476-50-6	Hydrocarbons, C>=5, C5-6-rich; Low boiling point naphtha - unspecified	200	1000		TWA (8 h)	MAK
					STEL (15 min)	MAK
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
80-62-6	Methyl methacrylate	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		STEL (15 min)	WEL

#### Exposure controls



#### Protective and hygiene measures

When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product. Use protective skin cream before handling the product. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs.

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. (gas filter type A2 )

#### Hand protection

solvent-resistant gloves: nitrile rubber, butyl-rubber, fluoroc rubber  
Test suitability of gloves before use.

#### Eye protection

safety glasses

### 9. Physical and chemical properties

#### General information

Physical state: liquid  
Colour: yellow  
Odour: ester-like, mild

#### Important health, safety and environmental information

pH-Value:	not applicable	Test method
<b>Changes in the physical state</b>		
Melting point:	-4 - +8 °C	
Boiling point:	40 - 112 °C	DIN 53 171
Flash point:	-16 °C	DIN 51 755
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	13 vol. %	



## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 5 of 10

Ignition temperature:	260 °C	DIN 51 794
Vapour pressure: (at 20 °C)	120 hPa	DIN EN 12
Density (at 20 °C):	0,800 g/cm <sup>3</sup>	DIN 51 757
Water solubility:	insoluble	
Viscosity / dynamic: (at 20 °C)	1050 mPa·s	DIN 53018
Solvent content:	78 %	

#### Other information

### 10. Stability and reactivity

#### Conditions to avoid

Above 130 °C, hazardous fumes may be released. No decomposition if used as directed.

#### Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### Hazardous decomposition products

Heating can release hazardous gases. Carbon oxides In the event of fire the following can be released: carbon dioxide (CO<sub>2</sub>) Carbon monoxide

### 11. Toxicological information

#### Acute toxicity

Health injuries are not known or expected under normal use.

#### Specific effects in experiment on an animal

no data available No data is available on the product itself.

#### Corrosive and irritant effects

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons. May cause skin and eye irritation in susceptible persons. Kolophonium, MMA

#### Sensitising effects

May cause sensitization of susceptible persons.

#### Severe effects after repeated or prolonged exposure

Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis.

#### Carcinogenic/mutagenic/toxic effects for reproduction

No data is available on the product itself.

### 12. Ecological information

#### Ecotoxicity

The product is insoluble and floats on water.

#### Mobility

No data is available on the product itself.

#### Persistence and degradability

Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

#### Bioaccumulative potential

No data is available on the product itself.

#### Further information

Do not let product enter drains.

## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 6 of 10

#### 13. Disposal considerations

##### Advice on disposal

Dispose of as special waste in compliance with local and national regulations

##### Waste disposal number of waste from residues/unused products

080406 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products)

##### Waste disposal number of used product

080406 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products)

##### Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

##### Contaminated packaging

Offer rinsed packaging material to local recycling facilities. Recycling of packaging materials (dual system).

#### 14. Transport information

##### Land transport (ADR/RID)

UN number: 1133

ADR/RID class: 3

Classification code: F1

Warning plate

Hazard-no.: 33

Hazard label: 3, 10



ADR/RID packing group: III

Limited quantity: LQ7

Tunnel restriction code: D/E

##### Description of the goods

Adhesives

##### Other applicable information (land transport)

Special provisions: 640H

E1

Transport category: 3

##### Inland waterways transport

UN number: 1133

ADNR class: 3

Classification code: F1

Hazard label: 3, 10

## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 7 of 10



Packing group: III  
Limited quantity: LQ7

#### Description of the goods

Adhesives ; Auslöser: Ethylacetate

#### Other applicable information (inland waterways transport)

: 640H  
E1

#### Marine transport

UN number: 1133  
IMDG code: 3  
Marine pollutant: •  
Hazard label: 3



IMDG packing group: III  
EmS: F-E, S-D  
Limited quantity: 5 L

#### Description of the goods

Adhesives ; AUslöser: Ethylacetate

#### Other applicable information (marine transport)

Staukategorie A  
: 223, 944, 955  
Category:: A  
E1

#### Air transport

UN/ID number: 1133  
ICAO/IATA-DGR: 3  
Hazard label: 3



ICAO packing group: III  
Limited quantity Passenger: 10 L

IATA-packing instructions - Passenger: 309  
IATA-max. quantity - Passenger: 60 L  
IATA-packing instructions - Cargo: 310  
IATA-max. quantity - Cargo: 220 L

#### Description of the goods

Adhesives

#### Other applicable information (air transport)

: Y309  
E3

## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 8 of 10

220 L

Special provisions: A3

## 15. Regulatory information

### Labelling

Danger symbols:

F - Highly flammable; Xn - Harmful; N - Dangerous for the environment



F - Highly flammable

Xn - Harmful

N - Dangerous for the environment

### Hazardous components which must be listed on the label

toluene

methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate

### R phrases

- 63 Possible risk of harm to the unborn child.  
11 Highly flammable.  
36/38 Irritating to eyes and skin.  
43 May cause sensitization by skin contact.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
67 Vapours may cause drowsiness and dizziness.

### S phrases

- 09 Keep container in a well-ventilated place.  
16 Keep away from sources of ignition - No smoking.  
23 Do not breathe vapour .  
29 Do not empty into drains.  
33 Take precautionary measures against static discharges.

### Additional advice on labelling

According to (National equivalent of EC-Dir. 67/548), as amended, the product is labelled as follows: The product is classified and labelled in accordance with Directive 1999/45/EC. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

### GHS labelling

Signal word:

Danger

Pictograms:

flame; exclamation mark; health hazard; environment



### Hazard statements

- H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.



## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 9 of 10

H317	May cause an allergic skin reaction.
H361d	Suspected of damaging the unborn child.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321	Specific treatment (see ... on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P352	Wash with plenty of soap and water.
P363	Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P370+P378	In case of fire: Use alcohol resistant foam. for extinction.
P391	Collect spillage.
P235	Keep cool.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to ....

#### Special labelling for certain preparations

In use may form flammable/explosive vapour-air mixture.  
Repeated exposure may cause skin dryness or cracking.  
Contains methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate, Rosin, colophony. May produce an allergic reaction.

#### EU regulatory information

1999/13/EC (VOC): 81,4 % (651,2 g/l)

#### Additional information

Observe employment restrictions under the law for the protection of young people at work (94/33/EC).  
Observe employment restrictions under the Maternity Protection Directive (EC 92/85/EEC) for expectant or nursing mothers.

#### National regulatory information

Employment restrictions: Observe employment restrictions for child bearing mothers and nursing.



## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 100.000 Reina-MULTI-Colle Multi Purpose Cement

Print date: 28.05.2010

Product code: 100

Page 10 of 10

Water contaminating class (D): 2 - water contaminating

#### 16. Other information

##### Full text of R-phrases referred to under sections 2 and 3

- |       |   |
|-------|---|
| 11    | Highly flammable.   |
| 36    | Irritating to eyes.   |
| 36/38 | Irritating to eyes and skin.  |
| 37/38 | Irritating to respiratory system and skin.  |
| 38    | Irritating to skin.   |
| 43    | May cause sensitization by skin contact.  |
| 48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation.       |
| 51    | Toxic to aquatic organisms.   |
| 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 53    | May cause long-term adverse effects in the aquatic environment.                             |
| 63    | Possible risk of harm to the unborn child.  |
| 65    | Harmful: may cause lung damage if swallowed.  |
| 66    | Repeated exposure may cause skin dryness or cracking.                                       |
| 67    | Vapours may cause drowsiness and dizziness.   |

##### Full text of H-Statements referred to under sections 2 and 3

- |       |  |
|-------|--|
| H225  | Highly flammable liquid and vapour.                                |
| H304  | May be fatal if swallowed and enters airways.                      |
| H315  | Causes skin irritation.  |
| H317  | May cause an allergic skin reaction.                               |
| H319  | Causes serious eye irritation.                                     |
| H335  | May cause respiratory irritation.                                  |
| H336  | May cause drowsiness or dizziness.                                 |
| H361d | Suspected of damaging the unborn child.                            |
| H373  | May cause damage to organs through prolonged or repeated exposure. |
| H411  | Toxic to aquatic life with long lasting effects.                   |

##### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*