

1. Identification of substances / Manufacturer:**Trade Name:** 1000 RENIA – MULTI-Colle - All Purpose Cement**Manufacturer:** RENIA-GmbH, Pob 910659 D-51076 Köln Tel.:+49-221-630799-0 FAX.: +49-221-630799-50**Emergency call:** +49-(0)221-630799-24**2. Composition / Data of components:**

grafted Polychloroprene cement with resins in a mixture of organic solvents

Dangerous components:

Designation	[%]	CAS-No.	EINECS	MAK-value [ppm]	R-Phrases	S-Phrases	Index
Ethylacetate	35-45	141-78-6	205-500-4	400/1400	11-36-66-67	16-23-29-33	F, Xi
Solvent 60/95	20-30	64742-49-0	265-192-2	350/1000	11-65	9-16-29-33	F, Xn
Toluene	5-12	108-88-3	203-625-9	50/190	11-20	16-27-29-33	F, Xn
MMA	1-2	80-62-6	201-297-1	50/210	11-36-37-38-43	9-16-29-33	F, Xi

3. Hazard identification**Hazard designation:** F, highly Flammable, Xi, Irritant,**Information pertaining to particular dangers for man and environment:**

R 11 : highly flammable R43: May cause sensitisation by skin contact, R 36-38:Irritant for skin and 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.**4. First aid measures****General information**

Instantly remove any clothing soiled by product.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness bring patient into stable side position for transport.

After skin contact

Instantly wash with water and soap and rinse thoroughly

After eye contact

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

After swallowing

Do not induce vomiting; instantly call for medical help

The following symptoms may occur:

Dazed, headache, unconsciousness.

Danger:

Danger of pulmonary oedema

5. Fire fighting measures**Suitable extinguishing agents:**extinguishing powder or water jet. Fight larger fires with water jet or a full water jet; CO₂**Unsuitable extinguishing agents:**

water with a full water jet

Special hazards caused by the material, its products of combustion or flue gas

Can form explosive gas-air mixtures. Can be released in case of fire. HCl.

Protective equipment

Put on breathing apparatus

Additional information

Cool endangered containers with water spray jet

6. Accidental release measures**Person-related safety precaution:**

Ensure adequate ventilation. Keep away from ignition sources. Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system.

Measures for cleaning / collecting

Absorb with liquid-binding material (diatomite universal binders). Ensure adequate ventilation

7. Handling and storage**Handling:** **Information for safe handling:** carry out filling operations only at sites with extractors available. Ensure that suitable extractors are available on processing machines. Keep away from heat and direct sunlight. Ensure good ventilation at the workplace.
Information about protection against explosions and fires: Fumes can combine with air to form an explosive mixture keep ignition sources away. Do not smoke. Protect against electrostatic charges.**Storage:** **Requirements to be met by storerooms and containers:** Prevent any penetration into the ground. Store in a cool location.
Information about storage in one common storage facility: Store away from foodstuffs. Further information about storage conditions: Store container in a well ventilated position. Keep container tightly sealed. Protect from heat and direct sunlight**8. Exposure controls and personal protection****Additional information:** The lists that were valid during the compilation were used as basis**personal protective equipment:****General protective and hygienic measures:**

Do not eat, drink or smoke while working. Keep away from foodstuffs, beverages and food. Do not inhale gases, fumes or aerosols. Avoid contact with eyes and skin. Apply solvent resistant clothing before beginning work.

Breathing equipment

Use breathing protection in case of insufficient ventilation

Protection of Hands:

Solvent resistant gloves

Eye protection:

Tightly sealed safety glasses

9. Physical and chemical properties**Form** : fluid **Colour** : Light yellow**Smell** : Ester like**Change in condition:****Melting range** : -4 ° - +8 °C**Boiling range** : 40 - 112 °C 1013 mbar DIN 53 171**Flash point** : -16 °C DIN 51 755**Ignition Temperature** : 260 °C DIN 51 794**Decomposition temperature** > 130 °C**Critical values for explosion****Lower** : 0,6 Vol. %**Upper** : 13 Vol. %**Density (20 °C)** : 0,795 g /ml

DIN 51 757

Steam pressure (20°C) : 230 hPa DIN 51 754**Danger of explosion:**
Product is not explosive. However, formation of explosive air/steam mixtures is possible

Viscosity (20 °C)	: 1.200 mPa*s	DIN 53 015	Solubility in water:	: insoluble
pH - value	:			
Flashpoint	: - 16 °C	DIN 51 755		
Solid mater	: 22 %	Solvents:	78 %	

10. Stability and Reactivity

Thermal decomposition No decomposition if used according to specifications
Dangerous reactions: forms flammable gases or fumes
Dangerous products of composition: Hydrogenchlorid above 130 °C possible

11. Toxicological information

Acute toxicity: LD/LC50 values that are relevant for classification

Components	Type	Value	Species
toluene	oral	5.000 mg/kg	rat
	dermal	12.124 kg/kg	rab
	inhalative	5.320 mg/l/4h	mus

primary irritation effect

on the skin: may cause irritant effect

on the eye: may cause irritant effect

Sensitization may cause sensitization effect

Additional toxicological information

I inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness

12. Ecological information**Information about elimination (persistence and degradability):**

The product is not readily biodegradable

General notes:

Water hazard class 2 (self assessment): hazardous for water. Do not allow product to reach ground water, water bodies or sewage system. Danger to drink water if even small quantities leak into soil

13. Disposal consideration

Product recommendation: Must be specially treated under adherence to official regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system

EAK-No. 080406 ADhesives

Dried Product Hausmüll / Gewerbeabfall

Uncleaned packages recommendation

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that can not be cleaned are to be disposed of in the same manner as the product.

14. Transport information**Landtransport ADR/RID and GGVS / GGVE (cross-border / domestic)**

ADR/RID class	: 3	Name	: ADHESIVE
UN - Number	: 1133	Kemler Number	: 33

Ignition: Hydrocarbon Solvent

Maritime transport IMDG / GGVSea

MFAG - Table	: 330, 311	EmS	: 3-05
Packaging group	: III		

15. Regulatory information**Designation according to EC guidelines**

the product has been classified and labelled in accordance with EC directives (ordinance on hazardous materials (Gefahrstoffverordnung from 27-05-1998).

VbF : A1

Code letter and hazard

designation of product : F, Xi

Risk phrases 11 : highly flammable
 43 : May cause sensitisation by skin contact
 36-38 : Irritant for skin and eyes

Safety phrases 9 : 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

Technical instructions air : Class III

VDI 2280 : Class 3

EG - Number : n.r. **CAS - Number** : n.r.

MAK - Value 2000 : 200 ml / m³ (nach TRGS 404) See point 2

**16. Other information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship. The original "Material Safety Data Sheet. Has been worded in German. The present version being a translation, the German text remains binding in the event of a dispute or conflict

Department issuing data specification sheet: Environment protection department HB **Datei:** 1000 EU GB MULTI-Colle