



Safety Data Sheet

according to Regulation (EC) No. 1907/2006

170.000 Renia - Ortec - Contact Adhesive

Print date: 06.06.2011

Product code: 170.000

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

Product identifier

170.000 Renia - Ortec - Contact Adhesive

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

Use of the substance/mixture

Adhesives, sealants
Roller application or brushing of adhesive and other coating.

Details of the supplier of the safety data sheet

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

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger : Highly flammable, Irritant, Dangerous for the environment
R-phrases:
Highly flammable.
Irritating to eyes and skin.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Vapours may cause drowsiness and dizziness.

GHS classification

Hazard categories:
Flammable liquid: Flam. Liq. 2
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 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 drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

Label elements

Signal word:	Danger
Pictograms:	GHS02-GHS07-GHS09



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Hazardous components which must be listed on the label

Classification according EC regulation 1272/2008 (CLP):

Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

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.
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).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P352	Wash with plenty of soap and water.
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.
P370+P378	In case of fire: Use ... 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 of certain mixtures

EUH018	In use may form flammable/explosive vapour-air mixture.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Kolophonium. May produce an allergic reaction.

Additional advice on labelling

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.



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Other hazards

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

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

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

Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
205-500-4	ethyl acetate	25-35 %
141-78-6	F, Xi R11-36-66-67	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
11-1111111111-11		
265-151-9	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	20-30 %
64742-49-0	F, Xn, Xi, N R11-38-51-53-65-67	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411	
11-1111111111-11		
203-806-2	cyclohexane	20-30 %
110-82-7	F, Xn, Xi, N R11-65-38-67-50-53	
	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H225 H304 H315 H336 H400 H410	
11-1111111111-11		

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

SECTION 4: First aid measures

Description of first aid measures

General information

Move victim out of danger zone and lay down.

After inhalation

In case of inhalation of decomposition products, take the affected person into the fresh air and sit him quietly. Remove casualty to fresh air and keep warm and at rest.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Grease skin after contact.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Do not induce vomiting. In case of allergic symptoms especially in the breathing area, seek medical advice immediately.

Most important symptoms and effects, both acute and delayed

Allergic reactions.

Indication of any immediate medical attention and special treatment needed



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Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Where appropriate artificial ventilation.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

alcohol resistant foam. ABC powder. Atomized water. Dry sand.

Extinguishing media which must not be used for safety reasons

High power water jet. High power water jet.

Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes. Can be released in case of fire: Hydrogen chloride (HCl). Burning produces large quantities of soot.

Advice for firefighters

Special exposure hazards arising from the substance itself, combustion products, resulting gases: In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation.

Environmental precautions

Do not empty into drains or the aquatic environment. Cover drains.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

In case of open handling, use devices with built-in suction where possible. If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Only use material in places where open light, fire and other sources of ignition can be kept away. Vapours / aerosols must be extracted by suction immediately at point of origin.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Recommended storage temperature: 15-30 °C Ensure adequate ventilation of the storage area.

Advice on storage compatibility

Store packaging and combustible materials separately from one another. Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Floors should be impenetrable, resistant to liquids and easy to clean. Store small quantities in appropriate dangerous substance cabinets.

Specific end use(s)



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Adhesives, sealants Roller application or brushing of adhesive and other coating.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	200	1000		TWA (8 h)	AGW
110-82-7	Cyclohexane	100	350		STEL (15 min)	AGW
		300	1050		TWA (8 h)	WEL
					STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

Exposure controls



Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Before starting work, apply solvent-cleaner-proof skin protection products.

Respiratory protection

Respiratory protection required in case of: insufficient ventilation. With correct and proper use, and under normal conditions, breathing protection is not required. If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

Hand protection

Test suitability of gloves before use.

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Eye protection

Tightly sealed safety glasses.

Environmental exposure controls

Do not allow to enter into soil/subsoil. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid
 Colour: light yellow
 Odour: ester

Test method

pH-Value: Test not required.

Changes in the physical state

Boiling point: 65-90 °C DIN 53 171



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Flash point:	-18 °C	DIN 51 755
Lower explosion limits:	1 vol. %	
Upper explosion limits:	11,5 vol. %	
Ignition temperature:	200 °C	DIN 51 794
Vapour pressure: (at 20 °C)	175 hPa	DIN EN 12
Vapour pressure: (at 50 °C)	950 hPa	
Density (at 20 °C):	0820 g/cm ³	DIN 51 757
Viscosity / dynamic: (at 20 °C)	1200-3000 mPa·s	DIN 51550
Solvent separation test:	< 0,1 %	

SECTION 10: Stability and reactivity

Reactivity

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

Chemical stability

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

Possibility of hazardous reactions

Gas/vapour, highly flammable.

Conditions to avoid

Decomposition takes place from temperatures above: > 150 °C

Incompatible materials

Acid, concentrated. , Oxidizing agents, strong.

Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

Information on toxicological effects

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Acute toxicity

There are no data available on the preparation/mixture itself.



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CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
141-78-6	ethyl acetate					
	Acute oral toxicity	LD50		5600 mg/kg	Ratte	
	Acute dermal toxicity	LD50		18000 mg/kg	Kaninchen	
	Acute inhalation toxicity	LC50		58 mg/l	Ratte	4
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha					
	Acute oral toxicity	LD50		5000 mg/kg	Rat.	
	Acute dermal toxicity	LD50		3160 mg/kg	Rabbit.	
	Acute inhalation toxicity	LC50		12 mg/l	Rat.	4
110-82-7	cyclohexane					
	Acute oral toxicity	LD50		5000 mg/kg	Rat.	
	Acute dermal toxicity	LD50		2000 mg/kg	Rabbit.	
	Acute inhalation toxicity	LC50		14 mg/l	Rat.	4

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.

Sensitizing effects

May cause sensitization by inhalation and skin contact. Kolophonium, MMA

Severe effects after repeated or prolonged exposure

May cause allergy or asthma symptoms or breathing difficulties if inhaled .
Inhalation causes narcotic effects/intoxication.

Carcinogenic/mutagenic/toxic effects for reproduction

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

Toxicity

Longterm fish toxicity Product is easily volatile. Product is slightly soluble in test vehicle. An aqueous dispersion has been testet.

CAS No.	Chemical name	Aquatic toxicity	Method	Dose	Species	h
141-78-6	ethyl acetate					
	Acute fish toxicity	LC50		230 mg/l	Pimephales promelas	96
	Acute algae toxicity	ErC50		3300 mg/l	Scenedesmus subspicatus	72
	Acute crustacea toxicity	EC50		717 mg/l	Daphnia magna	48
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha					
	Acute fish toxicity	LC50		10 mg/l		96
	Acute algae toxicity	ErC50		10 mg/l		96
	Acute crustacea toxicity	EC50		10 mg/l		48
110-82-7	cyclohexane					
	Acute fish toxicity	LC50		55 mg/l	Leuciscus idus melanotus	96
	Acute algae toxicity	ErC50		500 mg/l	Desmodesmus subspicatus	72
	Acute crustacea toxicity	EC50		3,78 mg/l	Daphnia magna	48



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Persistence and degradability

Product is biodegradable with difficulty.

Bioaccumulative potential

There are no data available on the preparation/mixture itself.

Partition coefficient n-octanol/water

CAS No.	Chemical name	Log Pow
141-78-6	ethyl acetate	0,60
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	4-5,1
110-82-7	cyclohexane	3,44

Mobility in soil

There are no data available on the preparation/mixture itself.

Results of PBT and vPvB assessment

There are no data available on the preparation/mixture itself.

Other adverse effects

Toxic to aquatic life with long lasting effects.

Further information

Do not let product enter drains.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Consult the local waste disposal expert about waste disposal.

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

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number: 1133
UN proper shipping name: Adhesives
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3



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Classification code: F1
 Special Provisions: 640H
 Limited quantity: 5 L
 Transport category: 3
 Hazard-no.: 33
 Tunnel restriction code: D/E

Other applicable information (land transport)

E1

Inland waterways transport

UN number: 1133
UN proper shipping name: Adhesives
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3



Classification code: F1
 Special Provisions: 640H
 Limited quantity: 5 L

Other applicable information (inland waterways transport)

E1

Marine transport

UN number: 1133
UN proper shipping name: Adhesives
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3



Special Provisions: 223, 955
 Limited quantity: 5 L
 EmS: F-E, S-D

Other applicable information (marine transport)

Category: : A

E1

Air transport

UN/ID number: 1133
UN proper shipping name: Adhesives
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3



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Limited quantity Passenger:	10 L	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

Other applicable information (air transport)

E3

Environmental hazards

Dangerous for the environment: yes



SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): 100 % (820000 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 (92/85/EEC) for expectant or nursing mothers.

National regulatory information

Employment restrictions: Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class (D): 2 - water contaminating

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 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.
38	Irritating to skin.
50	Very toxic to aquatic organisms.
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.
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.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.



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H410 Very toxic to aquatic life with long lasting effects.

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.)