

# Safety Data Sheet

580  
Version 6.0

Rehagol - Primer for TR - yellow label  
Revision date Jan 27, 2021

Print date Feb 3, 2021

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

### 1.1 Product identifier

580 Rehagol - Primer for TR - yellow label

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

#### Relevant identified uses

Primers

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

Renia Gesellschaft mbH  
Ostmerheimer Straße 516 Telephone: +492216307990  
51109 Köln E-mail: info@renia.com  
Deutschland Website: www.renia.com

#### Department responsible for information

E-mail (competent person) labor@renia.com

### 1.4 Emergency telephone number

Emergency telephone number Grimme: +49-221-630799-17  
Only available during office hours.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

- \* Flam. Liq. 2; flammable liquids; H225 Highly flammable liquid and vapour.
- \* Eye Irrit. 2; Serious eye damage/eye irritation; H319 Causes serious eye irritation.
- \* STOT SE 3 Narcotic effects; STOT-single exposure; H336 May cause drowsiness or dizziness.
- \* Aquatic Acute 3; Hazardous to the aquatic environment; H402 Harmful to aquatic life.
- \* Aquatic Chronic 3; Hazardous to the aquatic environment; H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
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 carefully and follow all instructions.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing vapours.  
P271 Use only outdoors or in a well-ventilated area.

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* P273	Avoid release to the environment.
P280	Wear protective gloves and eye/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial incineration plant.

## Hazard components for labelling

Ethyl acetate

### 2.3 Other hazards

No information available.

## SECTION 3: Composition / information on ingredients

### 3.2 Mixtures

#### Description

Chlorine containing composite in an organic solvent.

#### Hazardous ingredients

CAS No. EC No. INDEX No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
141-78-6 205-500-4 607-022-00-5	<b>Ethyl acetate</b> 01-2119475103-46 Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336	95,0 < 100,0
87-90-1 201-782-8 613-031-00-5	<b>symclosene</b> Ox. Sol. 2 H272 / Acute Tox. 4 H302 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	1,0 < 2,0

#### Remark

Full text of H- and EUH-statements: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove affected person from the danger area and lay down.

#### Following inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Medical treatment necessary.

#### Following skin contact

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician. Rub greasy ointment into the skin.

#### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

#### Self-protection of the first aider

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First aider: Pay attention to self-protection!

## 4.2 Most important symptoms and effects, both acute and delayed

### Symptoms

Allergic reactions.

## 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Transport affected person in lying position, in case of shortness of breath in half-sitting position. Where appropriate artificial ventilation. Subsequent observance for pneumonia and lung oedema.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), alcohol resistant foam, Extinguishing powder, ABC-powder, spray mist, (water), Dry sand.

#### Unsuitable extinguishing media

Full water jet. Strong water jet.

### 5.2 Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. Do not inhale explosion and combustion gases. In case of fire may be liberated: Hydrogen chloride (HCl).

### 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### 5.4 Additional information

Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. 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

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration. Do not breathe gas/fumes/vapour/spray.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

### 6.3 Methods and material for containment and cleaning up

- \* Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advices on safe handling

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Before starting work, apply solvent-resistant skincare preparations.

#### Further information

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours/aerosols must be exhausted directly at the point of origin. Take precautionary measures against static discharges.

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## 7.2 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. Store in a well-ventilated and dry room at temperatures between 10 °C and 30 °C. Ensure adequate ventilation of the storage area.

### Hints on joint storage

Do not store together with: Oxidizing agent, Pyrophoric or self-heating substances. Store packaging and ignitable materials separately. Keep away from food, drink and animal feedingstuffs.

### Further information on storage conditions

Floors should be impervious, resistant to liquids and easy to clean. Store small packages in a suitable, robust cabinet.

## 7.3 Specific end use(s)

Coatings and paints, fillers, putties, thinners

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

CAS No.	Substance name	Source	Long-term /short-term (Spitzenbegrenzung)
* 141-78-6	Ethyl acetate	ACGIH	1.440 / - ( - ) mg/m <sup>3</sup>
* 141-78-6	Ethyl acetate	NIOSH	1.400 / - ( - ) mg/m <sup>3</sup>
* 141-78-6	Ethyl acetate	OSHA	1.400 / - ( - ) mg/m <sup>3</sup>

#### Additional information

Long-term: long-term occupational exposure limit value  
short-term: short-term occupational exposure limit value

#### Biological limit values

No data available

#### DNEL worker

CAS No.	Substance name	DNEL type	DNEL value
141-78-6	Ethyl acetate	DNEL long-term inhalative (systemic)	1,468 mg/l
141-78-6	Ethyl acetate	DNEL acute inhalative (local)	1,468 mg/l
141-78-6	Ethyl acetate	DNEL long-term dermal (systemic)	63 mg/kg

#### DNEL Consumer

CAS No.	Substance name	DNEL type	DNEL value
141-78-6	Ethyl acetate	DNEL acute inhalative (systemic)	0,734 mg/l
141-78-6	Ethyl acetate	DNEL long-term inhalative (local)	0,734 mg/l
141-78-6	Ethyl acetate	DNEL long-term dermal (systemic)	37 mg/kg
141-78-6	Ethyl acetate	DNEL long-term inhalative (systemic)	0,037 mg/l
141-78-6	Ethyl acetate	DNEL long-term oral (repeated)	4,5 mg/kg
141-78-6	Ethyl acetate	DNEL acute inhalative (local)	0,367 mg/l

#### PNEC

CAS No.	Substance name	PNEC type	PNEC Value
141-78-6	Ethyl acetate	PNEC aquatic, freshwater	0,26 mg/l
141-78-6	Ethyl acetate	PNEC aquatic, marine water	0,026 mg/l

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141-78-6	Ethyl acetate	PNEC sediment, freshwater	0,34 mg/kg
141-78-6	Ethyl acetate	PNEC sediment, marine water	0,034 mg/kg
141-78-6	Ethyl acetate	PNEC soil, freshwater	0,22 mg/kg

## 8.2 Exposure controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

### Personal protection equipment

#### **Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device (EN 14387). Use the following filter types for cleaning waste gases:

#### **Hand protection**

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material:  $\geq 0,4$  mm

\* Breakthrough time (maximum wearing time):  $\geq 480$  min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### **Eye/face protection**

Wear closely fitting protective glasses in case of splashes.

#### **Body protection**

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Wear anti-static footwear and clothing

### Environmental exposure controls

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### **Appearance**

Physical state	liquid
Colour	colourless

#### **Safety characteristics**

Odour	characteristic
Odour threshold	not determined
* pH at 20 °C:	not determined
Melting point/freezing point	-35 °C
Initial boiling point and boiling range	77 °C
Flash point	-4 °C
Evaporation rate at 20°C	not determined
Burning time (s)	not applicable
Lower explosion limit at 20°C	2,1 Vol-%
Upper explosion limit at 20°C	11,5 Vol-%
Vapour pressure at 20°C	97 mbar
Density at 20°C	0,902 kg/l
Water solubility (g/L) at 20°C	not determined
Partition coefficient: n-octanol/water	see section 12
Ignition temperature in °C	not determined
Decomposition temperature	not determined

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Viscosity	6,31 mPas
Explosive properties	not relevant
Oxidising properties	not relevant

## 9.2 Other information

not applicable

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2 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).

### 10.3 Possibility of hazardous reactions

Gases / vapours, highly flammable. Vapours can form explosive mixtures with air.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5 Incompatible materials

Acid, concentrated, Oxidising agent, strong.

### 10.6 Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### **Ethyl acetate**

LD50: oral (Rat): > 5.620 mg/kg

LD50: dermal (Rabbit): > 18.000 mg/kg

LC50: inhalative (Rat): = 56 mg/l (4 h)

#### **symclosene**

LD50: (Rat): = 406 mg/kg

LD50: dermal (Rabbit): > 2.000 mg/kg

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

#### STOT-single exposure

May cause drowsiness or dizziness.

#### 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.

#### **Practical experience/human evidence**

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are:

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Headache, Dizziness, fatigue, amyosthenia, Drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

## SECTION 12: Ecological information

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

#### **Acute (short-term) fish toxicity**

##### **Ethyl acetate**

LC50: (Oncorhynchus mykiss (Rainbow trout)): = 230 mg/l (96 h)

##### **symclosene**

LC50: (Lepomis macrochirus (Bluegill)): = 0,2 mg/l (96 h)

#### **Acute (short-term) toxicity to aquatic algae and cyanobacteria**

##### **Ethyl acetate**

LC50: (Desmodesmus subspicatus): = 5.600 mg/l (48 h)

##### **symclosene**

ErC50: (photobacterium phosphoreum): = 0,6 mg/l (30 min)

#### **Acute (short-term) toxicity to crustacea**

##### **Ethyl acetate**

EC50 (Daphnia magna (Big water flea)): = 165 mg/l (48 h)

##### **symclosene**

EC50 (Daphnia magna (Big water flea)): = 0,17 mg/l (48 h)

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

\* Partition coefficient: n-octanol/water = 0,68

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### **Product/Packaging disposal**

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

#### **Waste codes/waste designations according to EWC/AVV**

\* 070703\* - organic halogenated solvents, washing liquids and mother liquors

#### **Other disposal recommendations**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

## SECTION 14: Transport information

### 14.1 UN number

UN 1993

### 14.2 UN proper shipping name

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

ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (enthält Ethylacetat)

#### **Sea transport (IMDG)**



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Flammable liquid, n.o.s. (contain Ethyl acetate)

## Air transport (ICAO-TI / IATA-DGR)

Flammable liquid, n.o.s. (contain Ethyl acetate)

### 14.3 Transport hazard class(es)

Land transport (ADR/RID)	3
Sea transport (IMDG)	3
Air transport (ICAO-TI / IATA-DGR)	3

### 14.4 Packing group

Land transport (ADR/RID)	II
Sea transport (IMDG)	II
Air transport (ICAO-TI / IATA-DGR)	II

### 14.5 Environmental hazards

Land transport (ADR/RID)	not applicable
Sea transport (IMDG)	not applicable

### 14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No transport as bulk according to IBC Code.

### 14.8 Additional information

#### Land transport (ADR/RID)

tunnel restriction code: D/E

#### Sea transport (IMDG)

\* EmS-Code: F-E, S-E

#### Air transport (ICAO-TI / IATA-DGR)

\* not applicable

## SECTION 15: Regulatory information

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

#### EU legislation

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

##### Directive 2010/75/EU on industrial emissions

\* VOC-value (in g/L): 884,118 g/l

##### Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

##### Hazard categories / Named dangerous substances

P5c Flammable liquids

Quantity 1: 5.000t; Quantity 2: 50.000t

#### National regulations

### 15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

REACH No.	Substance name
01-2119475103-46	Ethyl acetate

## SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.



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H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

## Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2	On basis of test data.
Eye Irrit. 2	Calculation method.
STOT SE 3 Narcotic effects	Calculation method.
* Aquatic Acute 3	Calculation method.
* Aquatic Chronic 3	Calculation method.

## Abbreviations and acronyms

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

## Indication of changes

\* Data changed compared with the previous version