

Print date: 06.07.2017



## **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

## 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 1 of 12

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

#### 1.1. Product identifier

520.000 Renia - R+L Cleaner

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

#### Use of the substance/mixture

Solvent/Thinner.

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

Renia Gesellschaft mbH. Chemische Fabrik Company name:

Street: Ostmerheimer Straße 516 Place: D-51109 Köln (Cologne)

Post-office box: 910659

D-51076 Köln (Cologne)

Telephone: +49-221-630799-0 Telefax: +49-221-630799-50

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Heinz Buchholz Dipl.Chem Contact person: Telephone: 16

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Responsible Department: Labor 07:30 - 16:00 Uhr +49-221-630799-0

1.4. Emergency telephone

number:

#### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

## Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

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

## 2.2. Label elements

#### Regulation (EC) No. 1272/2008

## Hazard components for labelling

acetone; propan-2-one; propanone

ethyl acetate

Danger Signal word:

Pictograms:





GB - EN

#### **Hazard statements**

H225 Highly flammable liquid and vapour. H319 Causes serious eve irritation. H336 May cause drowsiness or dizziness.



according to Regulation (EC) No 1907/2006

### 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 2 of 12

### **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P235 Keep cool.

P271 Use only outdoors or in a well-ventilated area.

P405 Store locked up.

P501 Dispose of contents/container to Waste management.

## Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Additional advice on labelling

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

#### 2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

## **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

#### Chemical characterization

Mixture of organic solvents

#### **Hazardous components**

CAS No	Chemical name			Quantity		
	EC No	Index No	REACH No			
	Classification according to Regulation (EC) No. 1272/2008 [CLP]					
67-64-1	acetone; propan-2-one; propanone					
	200-662-2	606-001-00-8	01-2119471330-49-0000			
	Flam. Liq. 2, Eye Irrit. 2, STOT	SE 3; H225 H319 H336 EUH	066			
141-78-6	ethyl acetate			1-10 %		
	205-500-4	607-022-00-5	01-2119475103-46-0000			
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066					

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.

#### After 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.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. Grease skin after contact In case of skin irritation, consult a physician.

#### After contact with eyes

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



according to Regulation (EC) No 1907/2006

## 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 3 of 12

## 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.

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

Dizziness. Nausea. Headache. unconsciousness.

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

Treat symptomatically. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated 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 (CO2), alcohol resistant foam. Extinguishing powder, ABC powder. Atomized water.

#### Unsuitable extinguishing media

High power water jet. High power water jet.

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

Flammable. Vapours can form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes.

## 5.3. Advice for firefighters

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

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

#### 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 (e.g. 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

#### Advice 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.



according to Regulation (EC) No 1907/2006

### 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 4 of 12

#### Advice on protection against fire and explosion

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

## 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. Recommended storage temperature: 15-30 °C Ensure adequate ventilation of the storage area.

## Advice on storage compatibility

Do not store together with: Oxidising agent, Pyrophoric or self-heating substances. 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 impervious, resistant to liquids and easy to clean.

Store small packages in a suitable, robust cabinet.

#### 7.3. Specific end use(s)

Solvent/Thinner.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL



according to Regulation (EC) No 1907/2006

## 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 5 of 12

## **DNEL/DMEL values**

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
67-64-1	acetone; propan-2-one; propanone			
Worker DNEL,	acute	inhalation	systemic	2420 mg/m³
Worker DNEL,	long-term	inhalation	systemic	1210 mg/m³
Worker DNEL,	long-term	dermal	systemic	186 mg/kg bw/day
Consumer DN	EL, long-term	dermal	systemic	62 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	200 mg/m³
Consumer DN	EL, long-term	oral	systemic	62 mg/kg bw/day
141-78-6	ethyl acetate			
Worker DNEL,	long-term	inhalation	systemic	1468 mg/m³
Worker DNEL,	acute	inhalation	local	1468 mg/m³
Worker DNEL,	long-term	dermal	systemic	63 mg/kg bw/day
Worker DNEL,	long-term	inhalation	local	734 mg/m³
Consumer DN	EL, acute	inhalation	systemic	734 mg/m³
Consumer DN	EL, long-term	inhalation	local	734 mg/m³
Consumer DN	EL, long-term	dermal	systemic	37 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	367 mg/m³
Consumer DNEL, long-term		oral	systemic	4,5 mg/kg bw/day
Consumer DN	EL, acute	inhalation	local	367 mg/m³
			•	•

#### **PNEC values**

CAS No	Substance				
Environmen	tal compartment	Value			
67-64-1	acetone; propan-2-one; propanone				
Freshwater		10,6 mg/l			
Marine water	г	1,06 mg/l			
Freshwater	sediment	30,4 mg/kg			
Marine sediment		3,04 mg/kg			
Soil		29,5 mg/kg			
141-78-6	ethyl acetate				
Freshwater		0,26 mg/l			
Marine water	r	0,026 mg/l			
Freshwater sediment		0,34 mg/kg			
Marine sediment		0,034 mg/kg			
Soil	Soil				

## 8.2. Exposure controls









## Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.



according to Regulation (EC) No 1907/2006

### 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 6 of 12

#### Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. 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.

### Eye/face protection

Tightly sealed safety glasses.

## **Hand protection**

Test suitability of gloves before use.

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0.5 mm

Breakthrough time (maximum wearing time): >= 1 h

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.

#### Skin 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

#### Respiratory protection

Respiratory protection necessary at: insufficient ventilation. With correct and proper use, and under normal conditions, breathing protection is not required. 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: A-P2

#### **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

Physical state: liquid

Colour: colourless, clear Odour: characteristic

Test method

pH-Value: not applicable

Changes in the physical state

Melting point: -94,7 °C

Initial boiling point and boiling range: 56 °C DIN 53 171

Sublimation point: not determined

Softening point: not determined

Pour point: not determined

Flash point: -20 °C DIN 51 755

Sustaining combustion: No data available

Flammability

Solid: not applicable
Gas: not applicable

**Explosive properties** 

Vapours can form explosive mixtures with air.

Lower explosion limits: 2,5 vol. % Upper explosion limits: 14,3 vol. %



according to Regulation (EC) No 1907/2006

### 520,000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 7 of 12

Ignition temperature: 535 °C DIN 51 794

**Auto-ignition temperature** 

Solid: not applicable
Gas: not applicable
Decomposition temperature: not determined

**Oxidizing properties** 

Not oxidising.

Vapour pressure: 246 hPa DIN EN 12

(at 20 °C)

Vapour pressure: 814 hPa DIN EN 12

(at 50 °C)

Density (at 20 °C): 0,79 g/cm³ DIN 51 757

Bulk density: not applicable Water solubility: completely miscible

Solubility in other solvents

not determined

Partition coefficient: nlog Pow: 0,

Viscosity / dynamic: 0,33 mPa·s DIN 53018

(at 20 °C)

Flow time: < 30 (3 mm)
Vapour density: 2
Evaporation rate: not determined
Solvent separation test: not determined
Solvent content: 100 %

9.2. Other information

Solid content: 0 %

#### **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

Gas/vapour, 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. Decompostion takes place from temperatures above: > 150 °C

## 10.5. Incompatible materials

Acid, concentrated., Oxidizing agents, 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



according to Regulation (EC) No 1907/2006

### 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 8 of 12

#### **Acute toxicity**

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

Inhalation causes narcotic effects/intoxication.

CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
67-64-1	acetone; propan-2-one; propanone						
	oral	LD50 mg/kg	5800	Ratte	RTECS		
	dermal	LD50 mg/kg	20000	Kaninchen	IUCLID		
	inhalative (4 h) vapour	LC50	76 mg/l	Ratte			
141-78-6	ethyl acetate						
	oral	LD50 mg/kg	5600	Rat			
	dermal	LD50 mg/kg	18000	Rabbit			
	inhalative (4 h) vapour	LC50	58 mg/l	Rat			

#### Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Frequently or prolonged contact with skin may cause dermal irritation.

### Sensitising effects

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

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

## Carcinogenic/mutagenic/toxic effects for reproduction

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

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

## STOT-single exposure

May cause drowsiness or dizziness. (acetone; propan-2-one; propanone)

#### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Inhalation causes narcotic effects/intoxication.

#### **Aspiration hazard**

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

#### Specific effects in experiment on an animal

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

#### Additional information on tests

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

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

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



according to Regulation (EC) No 1907/2006

### 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 9 of 12

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
67-64-1	acetone; propan-2-one; p	ropanone					
	Acute fish toxicity	LC50 mg/l	5540	l .	Onchorhynchus mykiss		
	Acute crustacea toxicity	EC50 mg/l	6100	48 h	Daphnia magna		
141-78-6	ethyl acetate						
	Acute fish toxicity	LC50	230 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50 mg/l	3300		Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50	717 mg/l	48 h	Daphnia magna		

#### 12.2. Persistence and degradability

Product is biodegradable with difficulty.

CAS No	Chemical name						
	Method	Value	d	Source			
	Evaluation						
67-64-1	acetone; propan-2-one; propanone						
	OECD 301 A-F	60 BSB/CSB	28				

## 12.3. Bioaccumulative potential

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

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24
141-78-6	ethyl acetate	0,6

#### **BCF**

CAS No	Chemical name	BCF	Species	Source
141-78-6	ethyl acetate	30		

### 12.4. Mobility in soil

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

## 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

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

#### **Further information**

The statement is derived form the properties of the components.

## **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

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

070704

WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste



according to Regulation (EC) No 1907/2006

## 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 10 of 12

#### Waste disposal number of used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals

and chemical products not otherwise specified; other organic solvents, washing liquids and mother

liquors; hazardous waste

#### 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

Dispose according to legislation. Completely emptied packages can be recycled.

## **SECTION 14: Transport information**

## Land transport (ADR/RID)

14.1. UN number:UN 109014.2. UN proper shipping name:ACETONE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Classification code: F1
Limited quantity: LQ4
Excepted quantity: E2
Transport category: 2
Hazard No: 33
Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1090 **14.2. UN proper shipping name:** ACETONE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Classification code: F1
Limited quantity: LQ4
Excepted quantity: E2

## Marine transport (IMDG)

14.1. UN number: UN 1090 14.2. UN proper shipping name: ACETONE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



according to Regulation (EC) No 1907/2006

## 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 11 of 12



Marine pollutant:
Special Provisions:
Limited quantity:
Excepted quantity:
E2
EmS:
F-E, S-D

### Other applicable information (marine transport)

Staukategorie A

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

14.1. UN number:UN 109014.2. UN proper shipping name:ACETONE

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Limited quantity Passenger: 1 L
Passenger LQ: Y341
Excepted quantity: E2

IATA-packing instructions - Passenger:305IATA-max. quantity - Passenger:5 LIATA-packing instructions - Cargo:307IATA-max. quantity - Cargo:60 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

## 14.6. Special precautions for user

Warning: Combustible liquids.

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

not applicable

## **SECTION 15: Regulatory information**

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

## **EU** regulatory information

2010/75/EU (VOC): 100 % (790 g/l) 2004/42/EC (VOC): 100 % (790 g/l)

### **Additional information**

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

## **National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile

work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

## 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.



according to Regulation (EC) No 1907/2006

### 520.000 Renia - R+L Cleaner

Revision date: 04.07.2017 Product code: 520.000 Page 12 of 12

#### **SECTION 16: Other information**

#### Changes

This data sheet contains changes from the previous version in section(s): 1,2,11.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

#### Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour. H319 Causes serious eve irritation. H336 May cause drowsiness or dizziness.

**EUH066** Repeated exposure may cause skin dryness or cracking.

#### **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.

#### **Identified uses**

No	Short title	SU main	SU	PC	PROC	ERC	AC	Specification
1	Aceton - R+L	-	10	1, 3, 4, 9a, 15, 24, 31, 35, 38	1, 2, 3, 4, 5, 6, 7, 8a, 8b, 9, 10, 11, 12, 13, 14, 15, 19	8a, 8c, 8d, 8e, 8f	10	520

SU main: Main user groups PC: Product categories

ERC: Environmental release categories

SU: Sectors of use PROC: Process categories AC: Article categories

#### NZ Agents:

Footcom NZ Ltd 84 Victoria Street Petone Wellington New Zealand

Tel: 04 569 3680 sales@footcom.co.nz

Emergency Telephone Poison Centre: 0800 764 766



 0800 366 826
 P 04 569 3680 F 04 569 6973
 E sales@footcom.co.nz 84 Victoria Street, Petone Wellington 5012

## **ADDENDUM TO SAFETY DATA SHEET**

This SDS is prepared in the internationally recognised GHS format. This addendum provides information specifically for this product for New Zealand and should not be detached but rather read in conjunction with the SDS which follows and remains integral to the attached SDS.

Identification				11827					
Product Name	Renia R & L Cleaner								
SDS Reference	520.000	520.000 Date of Issue 02/04/2020 Page 00 of 12							
Supplement to Section 1: Identification to the material and the supplier									
Company	Footcom NZ Ltd								
New Zealand Address	84 Victoria Street, Peto	ne, Lower Hutt, Wellin	ngton 5012						
Telephone	04 569 3680								
Emergency – NZ	04 569 3680 (24 hour)	or 0800 POISON (764 7	766)						
Supplement to Section	n 2: Hazard Identificatio	n							
Hazardous nature	H225 Highly Flammable	Liquid and Vapour							
GHS Classification	H319 Causes Serious Ey	e Irritation							
HSNO Status	Hazardous according to	HSNO in New Zealand	d						
HSNO Classification	3.1B								
Supplement to Section	າ 15: Regulatory Informa	ntion							
Group Standard	ERMA Group – HSR002	662							
Other	-								
Authorised Signature	and Date			100					
2.04.2020	Clower								