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

1.1 Product identifier

Trade name/designation

572 Primer für TPU/PU
UFI: 1H9Y-T0W5-800Y-GN6S

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

Relevant identified uses

Adhesives, sealants

1.3 Details of the supplier of the safety data sheet

Supplier

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

Department responsible for information

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

1.4 Emergency telephone number

24 hr. emergency phone number: +44 20 3807 3798
Emergency telephone number:

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.

2.2 Label elements

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

Hazard pictograms

GHS02 GHS07

Signal word

Danger

Hazard statements

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

* **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours.
P280	Wear protective gloves and eye protection/face protection.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.
P403 + P235	Store in a well-ventilated place. Keep cool.

Hazard components for labelling

* acetone; propan-2-one; propanone

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients.

3.2 Mixtures

Description

Polyurethane-Prepolymers with stabilizers in a mixture of organic solvents

Hazardous ingredients

	CAS No. EC No. Index No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
*	67-64-1 200-662-2 606-001-00-8	**acetone; propan-2-one; propanone** 01-2119471330-49 Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336 / EUH066 ATE (oral): = 5,800 mg/kg ATE (dermal): > 15,800 mg/kg ATE (inhalative): = 76 ppmV (4 h)	50,0 < 75,0
*	141-78-6 205-500-4 607-022-00-5	**ethyl acetate** 01-2119475103-46 Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336 / EUH066 ATE (oral): > 5,620 mg/kg ATE (dermal): > 18,000 mg/kg ATE (inhalative): = 56 mg/L (4 h)	10,0 < 15,0

Remark

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

* In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation

* Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

* Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

* If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

* In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

* First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

* alcohol resistant foam, Carbon dioxide (CO2), Powder, spray mist, (water)

Unsuitable extinguishing media

* Strong water jet

5.2 Special hazards arising from the substance or mixture

* Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

* Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

* Ventilate affected area. Do not breathe vapours.

6.2 Environmental precautions

* Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For containment

* Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up

* Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections

* Safe handling: see section 7
Personal protection equipment: refer to section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

* Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. Personal protection equipment: see section 8 Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Advices on general occupational hygiene

* When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

* Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

* Keep away from strongly acidic and alkaline materials as well as oxidizers.

Storage class LGK3 - Flammable liquids

Further information on storage conditions

* Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Store in a well-ventilated and dry room at temperatures between 10 °C and 30 °C.

7.3 Specific end use(s)

* Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

	CAS No.	Substance name	Source	Long-term /short-term (Spitzenbegrenzung)
*	67-64-1	acetone; propan-2-one; propanone	WEL	1,210 / 3,620 (-) mg/m³
*	141-78-6	ethyl acetate	WEL	734 / 1,468 (-) mg/m³

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
*	67-64-1	acetone; propan-2-one; propanone	DNEL acute inhalative (systemic)	2,420 mg/L
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term inhalative (systemic)	1,210 mg/L
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term dermal (systemic)	186 mg/kg
*	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
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term dermal (systemic)	62 mg/kg
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term inhalative (systemic)	200 mg/L
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term oral (repeated)	62 mg/kg
*	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
*	67-64-1	acetone; propan-2-one; propanone	PNEC aquatic, freshwater	10.6 mg/L
*	67-64-1	acetone; propan-2-one; propanone	PNEC aquatic, marine water	1.06 mg/L
*	67-64-1	acetone; propan-2-one; propanone	PNEC sediment, freshwater	30.4 mg/L
*	67-64-1	acetone; propan-2-one; propanone	PNEC sediment, marine water	3.04 mg/L
*	67-64-1	acetone; propan-2-one; propanone	PNEC soil, marine water	29.5 mg/L
*	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
*	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

Provide good ventilation.This can be achieved with local or room suction.

Personal protection equipment

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Suitable material: NBR (Nitrile rubber)
Thickness of the glove material >= 0.4 mm
Breakthrough time >= 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. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles:EN ISO 374

Skin protection

* Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

* Eye glasses with side protection

Body protection

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

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	transparent
Odour	characteristic
pH at 20 °C	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	55 °C
Flash point	-19 °C
flammability	not applicable
Lower explosion limit at 20°C	2.1 Vol-%
Upper explosion limit at 20°C	13 Vol-%
Vapour pressure at 20°C	233 mbar
Relative vapour density	not applicable
Density at 20 °C	0.844 kg/L
Water solubility at 20°C	not determined
Partition coefficient: n-octanol/water	see section 12
Ignition temperature in °C	460 °C
Decomposition temperature	not determined
Dynamic viscosity at 20 °C	660

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

* No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

* Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3 Possibility of hazardous reactions

* Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

* Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

* No further relevant information available.

10.6 Hazardous decomposition products

* Hazardous decomposition byproducts may form with exposure to high temperatures e.g.: Carbon dioxide (CO2), Carbon monoxide, smoke.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

* **acetone; propan-2-one; propanone**
LD50: oral (Rat): = 5,800 mg/kg

* LD50: dermal (Rabbit): > 15,800 mg/kg

LC50: inhalative (Rat): = 76 ppmV (4 h)

* **ethyl acetate**
LD50: oral (Rat): > 5,620 mg/kg

* LD50: dermal (Rabbit): > 18,000 mg/kg

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

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.

* **Overall assessment on CMR properties**

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: Headache, Dizziness, fatigue, amyosthenia, Dizziness, 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.

11.2 Information on other hazards

* **Endocrine disrupting properties**

* This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 Toxicity

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

Acute (short-term) fish toxicity

* **acetone; propan-2-one; propanone**
LC50: (Oncorhynchus mykiss (Rainbow trout)): = 5,540 mg/L (96 h)

* **ethyl acetate**
LC50: (Oncorhynchus mykiss (Rainbow trout)): = 230 mg/L (96 h)

Acute (short-term) toxicity to algae and cyanobacteria

* **acetone; propan-2-one; propanone**
ErC50: = 100 mg/L (96 h)

* **ethyl acetate**
LC50: (Desmodesmus subspicatus): = 5,600 mg/L (48 h)

Acute (short-term) toxicity to aquatic invertebrates

* **acetone; propan-2-one; propanone**
EC50 (Daphnia pulex (water flea)): = 8,800 mg/L (48 h)

* **ethyl acetate**
EC50 (Daphnia magna (Big water flea)): = 165 mg/L (48 h)

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

* Partition coefficient: n-octanol/water = 0.68 (ethyl acetate)

* Partition coefficient: n-octanol/water = -0.24 (acetone; propan-2-one; propanone)

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* Endocrine disrupting properties

No information available.

12.7 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

080409* - Waste adhesives and sealants containing organic solvents or other dangerous substances

Other disposal recommendations

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

SECTION 14: Transport information

14.1 UN number or ID number

UN 1133

14.2 UN proper shipping name

Land transport (ADR/RID)

* Adhesives (acetone; propan-2-one; propanone, ethyl acetate)

Sea transport (IMDG)

* Adhesives (contain acetone; propan-2-one; propanone, ethyl acetate)

Air transport (ICAO-TI / IATA-DGR)

* Adhesives (contain acetone; propan-2-one; propanone, 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 for packages < = 450 litres: III
* Sea transport (IMDG)	II for packages < = 450 litres: III
Air transport (ICAO-TI / IATA-DGR)	II for packages < 30 litres:III

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 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID)

Tunnel restriction code: D/E for packages < = 450 litres: E
* Special Provisions: SV 640C
Limited quantity (LQ): 5 ltr
Hazard identification number (Kemler No.): 33

Sea transport (IMDG)

* EmS-No.: F-E, S-D
Limited quantity (LQ): 5 ltr

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 or stricter national regulations, if applicable.
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

* **Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**

* VOC value: 718 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

* Observe in addition any 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	CAS No. EC No.
*	01-2119471330-49	acetone; propan-2-one; propanone	67-64-1 200-662-2
*	01-2119475103-46	ethyl acetate	141-78-6 205-500-4

SECTION 16: Other information

List of relevant hazard statements and/or precautionary statements from sections 2 to 15

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
* EUH066	Repeated exposure may cause skin dryness or cracking.

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.

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL: Occupational Exposure Limit Value
BLV: Biological limit values

CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic and Reprotoxic
DIN: German Institute for Standardization / German industrial standard
DNEL: Derived No-Effect Level
EAKV: European Waste Catalogue Directive
EC: Effective Concentration
EC: European Community
EN: European Standard
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code: International Maritime Code for Dangerous Goods
ISO: International Organization for Standardization
LC: Lethal Concentration
LD: Lethal Dose
:
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organisation for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PNEC: Predicted No Effect Concentration
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent and very bioaccumulative

Indication of changes

* Data changed compared with the previous version.

FOOTCOM NZ LTD ®
www.footcom.co.nz
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				
Product Name	Renia Primer for PU/TPU			
SDS Reference		Date of Issue	10/12/2024	Page 00 of 10
Supplement to Section 1: Identification to the material and the supplier				
Company	Footcom NZ Ltd			
New Zealand Address	84 Victoria Street, Petone, Lower Hutt, Wellington 5012			
Telephone	04 569 3680			
Emergency – NZ	04 569 3680 (24 hour) or 0800 POISON (764 766)			
Supplement to Section 2: Hazard Identification				
Hazardous nature	H225 Highly Flammable Liquid and Vapour			
GHS Classification	H319 Causes serious eye irritation H336 May cause drowsiness or dizziness			
HSNO Status	Hazardous according to HSNO in New Zealand			
HSNO Classification	3.1B			
Supplement to Section 15: Regulatory Information				
Group Standard	Erma Group – HSR002662			
Other				
Authorised Signature and Date