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

· **Product identifier**

· **Trade name** **CONTI SECUR PREMIUM**
· **Relevant identified uses of the substance or mixture and uses advised against**
· **Product category** PC1 Adhesives, sealants
· **Application of the substance / the preparation** Adhesives

· **Details of the supplier of the safety data sheet** CONTINENTAL - CONTITECH
· **Manufacturer/Supplier:**
H.B. Fuller Austria Produktions GesmbH
Kaplanstraße 30
A-4600 Wels
Tel.Nr. +43 (0) 7242/211770-0
EU-MSDS@hbfuller.com

· **Informing department:** Regulatory department
· **Emergency telephone number:** +44 (0) 1235 239 670 (24 hours)

2 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36/38: Irritating to eyes and skin.

F; Highly flammable

R11: Highly flammable.

N; Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.
· **Information concerning particular hazards for human and environment:** Has a narcotic effect.
· **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.

· **Label elements**

· **Labelling according to EU guidelines:**
The product has been classified and labelled in accordance with EC Directives / Chemicals (Hazard, Informaion and Packaging for Supply) (CHIP) Regulations.

· **Code letter and hazard designation of product:**

Xi Irritant
F Highly flammable
N Dangerous for the environment

· **Risk phrases:**
11 Highly flammable.
36/38 Irritating to eyes and skin.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

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· **Safety phrases:**
16 Keep away from sources of ignition - No smoking.
23 Do not breathe vapour.
24/25 Avoid contact with skin and eyes.
33 Take precautionary measures against static discharges.
57 Use appropriate container to avoid environmental contamination.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

· **Special labelling of certain preparations:**
Contains Rosin. May produce an allergic reaction.
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:**
Solvent based adhesive, based on
Polychloroprene

· **Dangerous components:**

CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-0000	ethyl acetate Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119486291-36-0000	cyclohexane Xn R65; Xi R38; F R11; N R50/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-0000	acetone Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	5-10%
	hexane, mixture of isomers (containing less than 5 % n-hexane EEC No 203-777-6) Xn R65; Xi R38; F R11; N R51/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	< 5%
CAS: 142-82-5 EINECS: 205-563-8 Reg.nr.: 01-2119475515-33-0000	heptane Xn R65; Xi R38; F R11; N R50/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	< 5%

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CAS: 1333-86-4 EINECS: 215-609-9 Reg.nr.: 01-2119489801-30-0000	Carbon black substance with a Community workplace exposure limit	< 2.5%
CAS: 110-54-3 EINECS: 203-777-6	n-hexane Xn R48/20-62-65; Xi R38; F R11; N R51/53 R67 Repr. Cat. 3 Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	0.5-1%
CAS: 8050-09-7 EINECS: 232-475-7 Reg.nr.: 01-2119480418-32-0000	Rosin Xi R43 Skin Sens. 1, H317	0.5-1%
CAS: 1314-13-2 EINECS: 215-222-5	zinc oxide N R50/53 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	< 0.5%

· **Additional information** For the wording of the listed risk phrases refer to section 16.

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4 First aid measures

· **Description of first aid measures**
· **General information**
Instantly remove any clothing soiled by the product.
Take affected persons into the open air.
· **After inhalation**
In case of unconsciousness bring patient into stable side position for transport.
Supply fresh air.
· **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact**
Rinse opened eye for several minutes (15 min) under running water. Then consult doctor.
· **After swallowing** Do not induce vomiting; instantly call for medical help.
· **Information for doctor**
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

· **Extinguishing media**
· **Suitable extinguishing agents**
Water haze
Foam
Fire-extinguishing powder
Carbon dioxide
· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
· **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
· **Advice for firefighters**
· **Protective equipment:** Do not inhale explosion gases or combustion gases.
· **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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Collect contaminated fire fighting water separately. It must not enter drains.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources
Use breathing protection against the effects of fumes/dust/aerosol.
Wear protective clothing.
· **Environmental precautions:**
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
· **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Send for recovery or disposal in suitable containers.
Use non sparking handtools.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders)
· **Reference to other sections**
See Section 8 for information on personal protection equipment.

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7 Handling and storage

· **Handling**
· **Precautions for safe handling**
Store in cool, dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.
Ensure that suitable extractors are available on processing machines
Take note of emission threshold.
Use solvent-proof equipment.
Keep away from children
Avoid release to the environment.
Keep eye wash bottles available on working place.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Highly volatile, flammable constituents are released during processing.
Fumes can combine with air to form an explosive mixture.
Flammable mixtures may be formed in empty containers.

· **Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:**
Store in cool location.
Keep dark, cool and dry.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
· **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

· **Additional information about design of technical systems:**
Please take care on national and local requirements.

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· **Control parameters**

· **Components with critical values that require monitoring at the workplace:**	
141-78-6 ethyl acetate	
WEL	Short-term value: 400 ppm Long-term value: 200 ppm
110-82-7 cyclohexane	
WEL	Short-term value: 1050 mg/m³, 300 ppm Long-term value: 350 mg/m³, 100 ppm
67-64-1 acetone	
WEL	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
142-82-5 heptane	
WEL	Long-term value: 500 ppm
1333-86-4 Carbon black	
WEL	Short-term value: 7 mg/m³ Long-term value: 3.5 mg/m³

· **DNELs**
ETHYL ACETATE:
Human exposure:
DNEL: 1468 mg/m³ (acute systemic effects; inhalation; workers)
DNEL: 1468 mg/m³ (acute local effects; inhalation; workers)
DNEL: 734 mg/m³ (long-term systemic effects; inhalation; workers)
DNEL: 734 mg/m³ (long-term local effects; inhalation; workers)
DNEL: 63 mg/kg body weight/day (long-term systemic effects; dermal; workers)

DNEL: 734 mg/m³ (acute systemic effects; inhalation; general population)
DNEL: 734 mg/m³ (acute local effects; inhalation; general population)
DNEL: 367 mg/m³ (long-term systemic effects; inhalation; general population)
DNEL: 4,5 mg/kg body weight/day (long-term systemic effects; oral; general population)
DNEL: 367 mg/m³ (long-term local effects; inhalation; general population)
DNEL: 37 mg/kg body weight/day (long-term systemic effects; dermal; general population)
ACETONE
DNEL Long term Dermal 186 mg/kg bw/day Workers -
DNEL Short term Inhalation 2420 mg/m³ Workers -
DNEL Long term Inhalation 1210 mg/m³ Workers -
DNEL Long term Oral 62 mg/kg bw/day Consumers -
DNEL Long term Dermal 62 mg/kg bw/day Consumers -
DNEL Long term Inhalation 200 mg/m³ Consumers
CYCLOALKANE: (Kohlenwasserstoffe, C6-C7, Isoalkane, Cyclene, <5% n-Hexan)
Arbeiter
Dermal
13964 mg/kg bw/day DNEL, Chronisch Exposition, Systemisch Effekte
Inhalierung
5306 mg/m3 DNEL, Chronisch Exposition, Systemisch Effekte

· **PNECs**
ETHYL ACETATE:
Environment:
PNEC (freshwater): 0.26 mg/L (based on the lowest chronic toxicity value NOEC = 2.6 mg/L for invertebrates and assessment factor 10).
PNEC (saltwater): 0.026 mg/L (based on the lowest chronic toxicity value NOEC = 2.6 mg/L for invertebrates and assessment factor 100).
PNEC (intermittent releases): 1.65 mg/L (based on the lowest aquatic toxicity value EC50 = 165 mg/L for invertebrates and assessment factor 100).
PNEC (sediment, freshwater): 1.25 mg/kg dry weight (based on partition coefficient method).
PNEC (sediment, saltwater): 0.125 mg/kg dry weight (based on partition coefficient method).
PNEC (soil): 0.24 mg/kg dry weight (based on partition coefficient method).
PNEC (sewage treatment plant): 650 mg/L (based on the lowest effect concentration for micro-

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organisms EC10 = 650 mg/L and assessment factor 1).
ACETONE
PNEC Marine 1,06 mg/l -
PNEC Fresh water 10,6 mg/l -
PNEC Fresh water sediment 30,4 mg/l -
PNEC Marine water sediment 3,04 mg/l -
PNEC Soil 0,112 mg/l -
PNEC Sewage Treatment Plant29,5 mg/l -
CYCLOALKANE: (Kohlenwasserstoffe, C6-C7, Isoalkane, Cyclene, <5% n-Hexan)
NA

· **Additional information:** Based on information valid at the time of writing.

· **Exposure controls**
· **Personal protective equipment**
· **General protective and hygienic measures**
Keep away from food, drink and animal feedingstuffs.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
· **Breathing equipment:**
In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
Not necessary if room is well-ventilated.
Ensure that suitable extractors are available on processing machines
· **Recommended filter device for short term use:** Filter AX
· **Protection of hands:**
Solvent resistant gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
· **Material of gloves** Butyl rubber, BR
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:** Tightly sealed safety glasses.
· **Body protection:** Protective work clothing.

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**

Form:	Fluid
Colour:	According to product specification
· **Smell:**	Characteristic
· **Change in condition**	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	56°C
· **Flash point:**	-19°C
· **Ignition temperature:**	260°C
· **Self-inflammability:**	Product is not selfigniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive vapour/ air mixtures is possible.

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· **Critical values for explosion:**	
Lower:	1.2 Vol %
Upper:	11.5 Vol %
· **Vapour pressure at 20°C:**	104 hPa
· **Density at 20°C**	0.86 g/cm³
· **Water:**	Not miscible or difficult to mix
· **Viscosity:**	
dynamic at 20°C:	1500 mPas
· **Solvent content:**	
Organic solvents:	73.5 %
Solids content:	25.5 - 27.5 %
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity**
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Possibility of hazardous reactions** Develops readily flammable vapours / fumes
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
110-82-7 cyclohexane		
Oral	LD50	1297 mg/kg (rat)

· **Primary irritant effect:**
· **on the skin:** Irritant for skin and mucous membranes.
· **on the eye:** Irritant effect.
· **Sensitization:** No sensitizing effect known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Very toxic for fish

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· **Additional ecological information:**
· **General notes:**
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms
Danger to drinking water if even small quantities leak into soil.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Hand over to disposers of hazardous waste.
Incineration under approved, controlled conditions using incinerators suitable or designed for the disposal of hazardous chemical wastes, is the preferred method for disposal.

· **European waste catalogue**	
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· **UN-Number**	
· **ADR, IMDG, IATA**	UN1133
· **UN proper shipping name**	
· **ADR**	1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS
· **IMDG**	ADHESIVES (CYCLOHEXANE, hexane, mixture of isomers (containing less than 5 % n-hexane EEC No 203-777-6)), MARINE POLLUTANT
· **IATA**	ADHESIVES
· **Transport hazard class(es)**	
· **ADR, IMDG, IATA**	
· **Class**	3 Flammable liquids.
· **Label**	3
· **Packing group**	
· **ADR, IMDG, IATA**	II
· **Environmental hazards:**	Product contains environmentally hazardous substances:
· **Marine pollutant:**	Yes Symbol (fish and tree)
· **Special marking (ADR):**	Symbol (fish and tree)
· **Special precautions for user**	Warning: Flammable liquids.
· **Kemler Number:**	33
· **EMS Number:**	F-E,S-D

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· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Tunnel restriction code**	D/E
· **IMDG**	
· **Remarks:**	Suitable UN approved container necessary.
· **IATA**	
· **Remarks:**	Suitable UN approved container necessary.

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15 Regulatory information

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

· **National regulations**

· **Other regulations, limitations and prohibitive regulations**
· **VOC (EU) in %:** 74.26 %
· **VOC (EU) in g/l:** 638.6 g/l
· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
The information provided about the product on this Safety Sheet has been compiled from knowledge of the individual constituent.
The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

· **Relevant phrases**
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

R11 Highly flammable.
R36 Irritating to eyes.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R65 Harmful: may cause lung damage if swallowed.

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R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

· **Department issuing data sheet:** Regulatory department
· **Contact:** EU-MSDS@hbfuller.com
· *** Data compared to the previous version altered.**

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Annex: Exposure scenario