



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.07.2015

Version number 2

Revision: 27.04.2015

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

- **1.1 Product identifier**
- **Trade name: CONTI PLUS HAFTVERMITTLER**
- **Article number:** 110271.9999.99
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture** Priming
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
H.B. Fuller, Isar-Rakoll, S.A.
Estrada Nacional 13
PT-4486-851 Mindelo - Vila do Conde
+351 229 288 200
EU-MSDS@hbfuller.com
- **Informing department:** Regulatory Department
- **1.4 Emergency telephone number:**
NCEC emergency service
+44 (0) 1235 239 670 (24 hours)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**
4-methylpentan-2-one
butanone
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

Contains Rosin. May produce an allergic reaction.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:** Mixture of the substances listed below with harmless additions.

- **Dangerous components:**

CAS: 108-10-1 EINECS: 203-550-1	4-methylpentan-2-one Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	25-50%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-0000	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
EC number: 921-024-6 Reg.nr.: 01-2119475514-34-0000	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (*) Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	5-10%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black	<2.5%
CAS: 110-82-7 EINECS: 203-806-2	cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	0.5-1%
CAS: 110-54-3 EINECS: 203-777-6	n-hexane 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%
CAS: 108-95-2 EINECS: 203-632-7	phenol Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Muta. 2, H341; STOT RE 2, H373; Skin Corr. 1B, H314	< 0.5%
CAS: 8052-10-6 EINECS: 232-484-6	Rosin Skin Sens. 1, H317	< 0.2%
CAS: 140-66-9 EINECS: 205-426-2	4-(1,1,3,3-tetramethylbutyl)phenol Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315	< 0.2%

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

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information**
Instantly remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Can be released in case of fire
Carbon monoxide and carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter drains.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

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· **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:** Prevent any penetration into the ground.

· **Information about storage in one common storage facility:** Store away from foodstuffs.

· **Further information about storage conditions:**

Protect from heat and direct sunlight.

Store in cool, dry conditions in original sealed container

· **Recommended storage temperature:** +10 °C - +25 °C

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **8.1 Control parameters**

· **Components with limit values that require monitoring at the workplace:**

108-10-1 4-methylpentan-2-one

WEL	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm Sk, BMGV
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78-93-3 butanone

WEL	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV
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1333-86-4 Carbon black

WEL	Short-term value: 7 mg/m ³ Long-term value: 3.5 mg/m ³
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108-95-2 phenol

WEL	Short-term value: 16 mg/m ³ , 4 ppm Long-term value: 7.8 mg/m ³ , 2 ppm Sk
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· **DNELs**

Cyclohexan CAS 110-82-7

DNEL-Werte

Akute Wirkungen - systemische Effekte, inhalativ: 700 mg/m³Chronische Wirkungen - systemische Effekte, inhalativ: 700 mg/m³

Chronische Wirkungen - systemische Effekte, dermal: 2016 mg/kg

Heptan CAS 142-82-5

DNEL

Dermal DNEL langfristig 300 mg/kg (Arbeiter) (bw/day)

Inhalativ DNEL langfristig 2085 mg/m³ (Arbeiter)

Ethylmethylketon CAS 78-93-3

Anwendungsbereich: Arbeitnehmer

Expositionswege: Hautkontakt

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Mögliche Gesundheitsschäden: Langzeit - systemische Effekte

Wert: 1161 mg/kg

Anwendungsbereich: Arbeitnehmer

Expositionswege: Einatmen

Mögliche Gesundheitsschäden: Langzeit - systemische Effekte

Wert: 600 mg/m³

· **PNECs**

Cyclohexan CAS 110-82-7

PNEC 2,99 mg/kg (Boden)

3,24 mg/l (Kläranlagen)

0,207 mg/l (Meerwasser)

3,627 mg/kg (Süßwassersediment)

0,207 mg/l (Süßwasser)

0,207 mg/l (sporadische Freisetzung)

Heptan CAS 142-82-5

PNEC aqua 0,0982 mg/l (freshwater)

0,00982 mg/l (marine water)

0,982 mg/l (intermittent releases)

PNEC sediment 1,89 mg/kg (freshwater)

0,189 mg/kg (marine water)

PNEC soil 0,321 mg/kg (soil dw)

Butanon CAS 78-93-3

Meerwasser Wert: 55,8 mg/l

Süßwassersediment Wert: 284,74 mg/kg

Meeressediment Wert: 287,7 mg/kg

Boden Wert: 22,5 mg/kg

Süßwasser Wert: 55,8 mg/l

· **Ingredients with biological limit values:**

108-10-1 4-methylpentan-2-one

BMGV 20 µmol/L

Medium: urine

Sampling time: post shift

Parameter: 4-methylpentan-2-one

78-93-3 butanone

BMGV 70 µmol/L

Medium: urine

Sampling time: post shift

Parameter: butan-2-one

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

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:** Use breathing protection in case of insufficient ventilation.

· **Recommended filter device for short term use:** Combination filter A-P2

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- **Protection of hands:**



Protective gloves.

Solvent resistant gloves

- **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **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.

Value for the permeation: Level ≤ 4

- **Eye protection:**



Tightly sealed safety glasses.

- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Black
Odour:	Characteristic
Odour threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	80 °C (DIN 53171)

- **Flash point:** <0 °C (DIN 53213)

- **Inflammability (solid, gaseous)** Not applicable.

- **Ignition temperature:**

Decomposition temperature: Not determined.

- **Self-inflammability:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

- **Critical values for explosion:**

Lower: 0.7 Vol % (EN 1839)

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Upper:	11.5 Vol % (EN 1839)
· Vapour pressure at 20 °C:	105 hPa (DIN 51640)
· Density at 20 °C	0.85 g/cm ³ (DIN 51757)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic at 20 °C:	Ca. 600 mPas (Brookfield (ISO 2555))
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	Ca. 74 %
Solids content:	Ca. 26 % (ISO 3251)
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

108-10-1 4-methylpentan-2-one

Oral	LD50	2080 mg/kg (rat)
Dermal	LD50	> 16000 mg/kg (rab)
Inhalative	LC50/4h	8.3-16.6 mg/kg (rat)

78-93-3 butanone

Oral	LD50	> 2600 mg/kg (rat)
Dermal	LD50	> 8000 mg/kg (rbt)
Inhalative	LC50/2h	40 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitisation:** No sensitizing effect known.

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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:

Harmful

Irritant

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:
108-10-1 4-methylpentan-2-one

EC50/48h	170 mg/l (Daphnia magna)
IC50/96h	400 mg/l (Selenastrum capricornutum)
LC50/96h	505 - 540 mg/l (Pimephales promelas)

78-93-3 butanone

EC50/48h	5091 mg/l (Daphnia magna)
LC50/96h	3220 mg/l (Pimephales promelas)

12.2 Persistence and degradability
108-10-1 4-methylpentan-2-one

Bio.Abbaubark./14 d	99 % (-)
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12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:
General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances

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

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA 	UN1133
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA 	1133 ADHESIVES, special provision 640H ADHESIVES
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	3 Flammable liquids. 3
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	II
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Kemler Number: · EMS Number: 	Warning: Flammable liquids. 33 F-E, S-D
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code 	5L 2 D/E
<ul style="list-style-type: none"> · UN "Model Regulation": 	UN1133, ADHESIVES, special provision 640H, 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
I	0,1-1
NK	50-100

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- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **VOC (EU) %** 75.15 %
- **Code MAL** 5-5
- **VOC (EU)** 638.7 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 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.

· Relevant phrases

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects.
- 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.

· 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 Harmonised 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 (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- Flam. Liq. 2: Flammable liquids, Hazard Category 2
- Acute Tox. 3: Acute toxicity, Hazard Category 3
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- Muta. 2: Germ cell mutagenicity, Hazard Category 2
- Repr. 2: Reproductive toxicity, Hazard Category 2
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

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Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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· *** Data compared to the previous version altered.**

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Annex: Exposure scenario 1

- **Short title of the exposure scenario** Industrielle Verwendung von Beschichtungen und Klebstoffen
- **Sector of Use**
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 - SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
- **Product category** PC1 Adhesives, sealants
- **Process category**
 - PROC1 Use in closed process, no likelihood of exposure
 - PROC2 Use in closed, continuous process with occasional controlled exposure
 - PROC3 Use in closed batch process (synthesis or formulation)
 - PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises
 - PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
 - PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
 - PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
 - PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
 - PROC14 Production of preparations or articles by tableting, compression, extrusion, pelletisation
 - PROC15 Use as laboratory reagent
- **Environmental release category** ERC2 Formulation of preparations
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use** Customary application according to section 1.
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.
- **Physical state** Fluid
- **Concentration of the substance in the mixture** Raw material.
- **Other operational conditions** Observe the normal safety regulations when handling chemicals
- **Other operational conditions affecting environmental exposure** Use only on hard ground.
- **Other operational conditions affecting worker exposure**
Avoid contact with the skin.
Take precautionary measures against static discharge.
Keep away from sources of ignition - No smoking.
- **Other operational conditions affecting consumer exposure** Keep out of the reach of children.
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
The usual precautionary measures should be adhered to general rules for handling chemicals.
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
Use breathing protection in case of insufficient ventilation.
- **Organisational protective measures** No special measures required.
- **Technical protective measures**
Provide explosion-proof electrical equipment.
Use product only in enclosed systems.
Ensure that suitable extractors are available on processing machines

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- **Personal protective measures**
Do not inhale gases / fumes / aerosols.
Avoid contact with the skin.
Protective gloves.
- **Measures for consumer protection**
Ensure adequate labelling.
Keep locked up and out of the reach of children.
- **Environmental protection measures**
- **Water** *Do not allow to reach sewage system.*
- **Soil** *Prevent contamination of soil.*
- **Disposal measures** *Ensure that waste is collected and contained.*
- **Disposal procedures**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste type** *Partially emptied and uncleaned packaging*
- **Exposure estimation**
- **Consumer** *Not relevant for this Exposure Scenario.*
- **Guidance for downstream users** *No further relevant information available.*

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Annex: Exposure scenario 2

- **Short title of the exposure scenario** PROFESSIONAL AND INDUSTRIAL USE OF ADHESIVES
- **Sector of Use**
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 - SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
- **Product category** PC1 Adhesives, sealants
- **Process category**
 - PROC1 Use in closed process, no likelihood of exposure
 - PROC2 Use in closed, continuous process with occasional controlled exposure
 - PROC3 Use in closed batch process (synthesis or formulation)
 - PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises
 - PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
 - PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
 - PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
 - PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
 - PROC14 Production of preparations or articles by tableting, compression, extrusion, pelletisation
 - PROC15 Use as laboratory reagent
- **Environmental release category** ERC2 Formulation of preparations
- **Notes** The product is intended for professional use.
- **Description of the activities / processes covered in the Exposure Scenario**
See full text of the descriptors in section 1.
- **Conditions of use** Customary application according to section 1.
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.
- **Physical state** Fluid
- **Concentration of the substance in the mixture** Raw material.
- **Other operational conditions** Observe the normal safety regulations when handling chemicals
- **Other operational conditions affecting environmental exposure**
Observe section 6 of the Safety Data Sheet (Accidental release measures).
- **Other operational conditions affecting worker exposure**
Avoid contact with eyes.
Avoid contact with the skin and mucous membranes.
Avoid long-term or repeated skin contact.
Do not breathe gas/vapour/aerosol.
Keep away from sources of ignition - No smoking.
- **Risk management measures**
- **Worker protection**
The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Organisational protective measures**
Consider section 4 of the Safety Data Sheet (First aid measures).
- **Technical protective measures** Ensure good ventilation/exhaustion at the workplace.
- **Personal protective measures**
The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Environmental protection measures**
Avoid release to the environment. Obtain special instructions / refer to Safety Data Sheet.
- **Water**
Do not allow to reach ground water, water bodies or sewage system, not even in small quantities.

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- **Soil** Prevent contamination of soil.
- **Disposal measures**
Must not be disposed of with household waste. Do not allow to reach sewage system.
- **Disposal procedures**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.

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