

## SECTION 01: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:**  
STAUF VPU 155 S
- **Article number:**  
114340
- **Product Group:**  
1 Component PU Primer
- **UFI:**  
K8F0-6AWM-K008-W74H
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category**  
PC1 Adhesives, sealants
- **Application of the substance / the preparation**  
Priming
- **Remark:**  
Restricted to professional users.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
STAUF Klebstoffwerk GmbH  
Oberhausener Strasse 1  
57234 Wilnsdorf, Germany  
+49-(0)2739-301-0  
+49-(0)2739-301-200
- **1.4 Further information obtainable from:**  
quality management  
QS@stauf.de
- **1.5 Emergency telephone number:**  
CARECHEM24- EU: +44 1235 239670  
CARECHEM24 International, +44 1865 407333

## SECTION 02: Hazards identification

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



GHS08

Resp. Sens. 1 - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carc. 2 - H351 Suspected of causing cancer.

STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Acute Tox. 4 - H332 Harmful if inhaled.

Skin Irrit. 2 - H315 Causes skin irritation.

Eye Irrit. 2 - H319 Causes serious eye irritation.

Skin Sens. 1 - H317 May cause an allergic skin reaction.

STOT SE 3 - H335 May cause respiratory irritation.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms**



GHS08    GHS07



- **Signal word**  
Danger
- **Hazard statements**  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
As from 24 August 2023 adequate training is required before industrial or professional use.  
EUH204 Contains isocyanates. May produce an allergic reaction.

- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**  
Not applicable.
- **vPvB:**  
Not applicable.

## SECTION 03: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:**  
Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS Number	%
<i>Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(pisocyanatobenzyl) phenyl isocyanate</i> <i>EC number: 905-806-4</i> <i>Carc. 2</i>  <i>Resp. Sens. 1 - H334, Carc. 2 - H351,</i> <i>STOT RE 2 - H373;  Acute Tox. 4 - H332,</i> <i>Eye Irrit. 2 - H319, Skin Sens. 1 - H317,</i> <i>STOT SE 3 - H335</i> <i>Inhalative: ATE = 11 mg/l</i>	50,00- 65,00

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**9048-57-1****4,4'-MDI/PPG****EC number: 500--02-8-8****Carc. 2****⚠ Resp. Sens. 1 - H334, Carc. 2 - H351,****STOT RE 2 - H373; ⚠ Acute Tox. 4 - H332,****Skin Irrit. 2 - H315, Eye Irrit. 2 - H319,****Skin Sens. 1B - H317, STOT SE 3 - H335****Inhalative: ATE = 11 mg/l****25,00- 50,00****9016-87-9****diphenylmethanediisocyanate, isomers and homologues****EC number: 618-498-9****Carc. 2****⚠ Resp. Sens. 1 - H334, Carc. 2 - H351,****STOT RE 2 - H373; ⚠ Acute Tox. 4 - H332,****Skin Irrit. 2 - H315, Eye Irrit. 2 - H319,****Skin Sens. 1 - H317, STOT SE 3 - H335;****Skin Irrit. 2; H315: C ≥ 5 %, Eye Irrit. 2;****H319: C ≥ 5 %, Resp. Sens. 1; H334: C ≥ 0,****1 %, STOT SE 3; H335: C ≥ 5 %****12,50- 25,00****Inhalative: ATE = 11 mg/l**

- **Additional information:**

For the wording of the listed risk phrases refer to section 16.

## SECTION 04: First aid measures

- **4.1 Description of first aid measures**

- **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

Remove contact lenses, if present and easy to do.

- **After swallowing:**

Do not induce vomiting; call for medical help immediately.

Rinse the mouth with water.

- **4.2 Most important symptoms and effects, both acute and delayed**

Coughing

Irritation

Erythema

Allergic reactions

Asthma attacks

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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### SECTION 05: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:**  
Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.
- **5.3 Advice for firefighters**  
Do not inhale explosion gases or combustion gases.
- **Protective equipment:**  
Wear fully protective suit.  
Wear self-contained respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 06: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective clothing.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Prevent seepage into sewage system, workpits and cellars.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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 disposal information.

### SECTION 07: Handling and storage

- **7.1 Precautions for safe handling**  
Use only in well ventilated areas.  
Do not breathe gas/fumes/vapour/spray.  
Avoid contact with eyes, skin and clothes.
- **Information about fire - and explosion protection:**  
No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
No special requirements.
- **Information about storage in one common storage facility:**  
Not required.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Store in dry conditions.
- **7.3 Specific end use(s)**  
No further relevant information available.

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## SECTION 08: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace**

**9016-87-9**      *diphenylmethanediisocyanate, isomers and homologues*

**WEL**

<i>Short-term value</i>	<i>0,07</i>	<i>mg/m3</i>
<i>Long-term value</i>	<i>0,02</i>	<i>mg/m3</i>
<i>Sen; as -NCO</i>		

- **DNELs**

*Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(isocyanatobenzyl) phenyl isocyanate*

Inhalative, DNEL: 0,05 mg/m3 (human being)

Inhalative, DNEL: 0,1 mg/m3 (Workers)

**9016-87-9**      *diphenylmethanediisocyanate, isomers and homologues*

Dermal, DNEL: 0,05 mg/kg (Workers)  
long- term

- **PNECs**

*Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(isocyanatobenzyl) phenyl isocyanate*

PNEC: 1 mg/l (freshwater)

PNEC: 0,1 mg/l (marinewater)

PNEC: 1 mg/kg (soil)

**9016-87-9**      *diphenylmethanediisocyanate, isomers and homologues*

PNEC: 1 mg/l (freshwater)

PNEC: 0,1 mg/l (marinewater)

PNEC: 1 mg/l

PNEC: 1 mg/kg (soil)

- **Additional information:**

The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work, use skin care products.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes, skin and clothes.

- **Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.**

- **Protection of hands: After use of gloves apply skin-cleaning agents and skin cosmetics.**

- **Material of gloves**

Chloroprene rubber, CR

Butyl rubber, BR

Nitrile rubber, NBR

Fluorocarbon rubber (Viton)

- **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/face protection Tightly sealed goggles**

- **Body protection: Protective work clothing**

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## SECTION 09: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance:

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Weak, characteristic
<b>Odour threshold:</b>	Characteristic
<b>Important information on protection of health and environment, and on pH</b>	safety.
<b>pH</b>	Not determined.

**Boiling point or initial boiling point and boiling range** 190 °C

**Flash point:** 111 °C

**Flammability** Not applicable.

**Ignition temperature:** 400 °C

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Not determined.

**Explosive properties:** Not determined.

#### Lower and upper explosion limit

**Lower:** Not determined.

**Upper:** Not determined.

**Vapour pressure:** Not determined.

**Density:** 1,1500 g/cm<sup>3</sup>

**Vapour density** Not determined.

#### Solubility

**water:** reacts s.Point 10

**Partition coefficient n-octanol/water (log value)** Not determined.

#### Viscosity:

**Dynamic:** at 20 °C 550 mPa.s

#### Solvent content:

**VOC (EC)** 0,00 %

**9.2 Other information** No further relevant information available.

#### Density and/or relative density

**Physical state** Fluid

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Reacts with water, acids, alcohols, amines, bases and oxidants.

### 10.2 Chemical stability

Stable if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions

Exothermic reaction with amines and alcohols; reacts with water forming CO<sub>2</sub>; in closed containers, risk of bursting owing to increase of pressure.

### 10.4 Conditions to avoid

Moisture and water.  
Protect from heat and direct sunlight.

### 10.5 Incompatible materials:

Water, alcohols, amines. acids, bases and oxidants.

### 10.6 Dangerous reactions

No dangerous reactions known.

### 10.6 Hazardous decomposition products:

Does not decompose when used like intended.

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## SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:**

*Reaction mass of 4,4'-methylenediphenyl  
diisocyanate and o-(pisocyanatobenzyl) phenyl  
isocyanate*

Oral, LD50: > 2000 mg/kg (rat)  
(Read-across based on methylenediphenyl diisocyanate - EC 905-806-4)  
Dermal, LD50: > 9400 mg/kg (Rabbit)

**9016-87-9** *diphenylmethanediisocyanate, isomeres and  
homologues*

Oral, LD50: > 2000 mg/kg (rat)  
Dermal, LD50: > 9400 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
Sensitisation possible through inhalation.  
Sensitisation possible through skin contact.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
Carc. 2
- **Carcinogenicity**  
Suspected of causing cancer.
- **STOT-single exposure**  
May cause respiratory irritation.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
*Reaction mass of 4,4'-methylenediphenyl  
diisocyanate and o-(pisocyanatobenzyl) phenyl  
isocyanate*  
EC50 48h: > 1000 mg/l (daphnie)  
LC50/ 96h: > 1000 mg/l (fish)  
EC50/72h: > 1640 mg/l (alga)

**9016-87-9** *diphenylmethanediisocyanate, isomeres and  
homologues*

EC50 48h: > 1000 mg/l (daphnie)  
LC50/ 96h: > 1000 mg/l (Brachydanio rerio)  
LC0: > 1000 mg/l (fish)

- **12.2 Persistence and degradability**  
No further relevant information available.
- **12.3 Bioaccumulative potential**  
No further relevant information available.
- **12.4 Mobility in soil**  
No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:**  
Not applicable.
- **vPvB:**  
Not applicable.
- **12.7 Other adverse effects**  
No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system. After prior treatment product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste. Unhardened product residues are Special Waste. Disposal must be made according to official regulations.
- **European waste catalogue**  
07  
WASTES FROM ORGANIC CHEMICAL PROCESSES  
07 02  
wastes from the MFSU of plastics, synthetic rubber and man-made fibres  
07 02 08  
other still bottoms and reaction residues
- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations. Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.

## SECTION 14: Transport information

- |  |      |
|--|------|
| • <b>14.1 UN number or ID number</b>     |      |
| <b>ADR</b>                               | Void |
| <b>IMDG</b>                              | Void |
| <b>IATA</b>                              | Void |
| • <b>14.2 UN proper shipping name</b>    |      |
| <b>ADR</b>                               | Void |
| <b>IMDG</b>                              | Void |
| <b>IATA</b>                              | Void |
| • <b>14.3 Transport hazard class(es)</b> |      |
| <b>ADR</b>                               |      |
| <b>Class</b>                             | Void |
| <b>IMDG</b>                              |      |
| <b>Class</b>                             | Void |
| <b>IATA</b>                              |      |
| <b>Class</b>                             | Void |
| • <b>14.4 Packing group</b>              |      |
| <b>ADR</b>                               | Void |
| <b>IMDG</b>                              | Void |
| <b>IATA</b>                              | Void |

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- **14.5 Environmental hazards:**  
Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments**  
Not applicable.

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **Waterhazard class:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**  
None of the ingredients is listed.
- **Substances of very high concern (SVHC) according to UK REACH**  
None of the ingredients is listed.
- **15.2 Chemical safety assessment:**  
A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
- **Department issuing MSDS:**  
quality management
- **Date of previous version:**  
00.00.0000
- **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)  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

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- PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative
- **\* Data compared to the previous version altered.**