

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

- **1.1 Product identifier**
- **Trade name:** HADALAN DS61 13P, Komp. A
- **Article number:** 50211 A
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Flexible waterproofing for mineral and ceramic substrates, component A
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Heinrich Hahne GmbH & Co. KG  
Heinrich-Hahne-Weg 11  
45711 Datteln Tel.: 02363/5663-0
- **Further information obtainable from:**  
Abteilung: Produktsicherheit  
Tel.: 02363 5663-0  
Email: info@hahne-bautenschutz.de
- **1.4 Emergency telephone number:**  
Gif tinformati onszentrum Nord (GIZ Nord) Universität Göttingen,  
Tel.: 0551-19240

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**  
Contains isocyanates. May produce an allergic reaction.  
Safety data sheet available on request.  
Contains 3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Contains isocyanates. May produce an allergic reaction.  
Contains 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate. 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:** Aliphatic polyurethane prepolymer

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**· Dangerous components:**

CAS: 4098-71-9 EINECS: 223-861-6	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate  <b>T R23</b> ;  <b>Xn R42/43</b> ;  <b>Xi R36/37/38</b> ;  <b>N R51/53</b>  <b>Acute Tox. 3, H331</b> ;  <b>Resp. Sens. 1, H334</b> ;  <b>Aquatic Chronic 2, H411</b> ;  <b>Skin Irrit. 2, H315</b> ; <b>Eye Irrit. 2, H319</b> ; <b>Skin Sens. 1, H317</b> ; <b>STOT SE 3, H335</b>	< 0.5%
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**· Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

**· 4.1 Description of first aid measures**

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**· After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**· After swallowing:**

Drink plenty of water and provide fresh air. Call for a doctor immediately.

After swallowing immediately ausspülen mouth and then drink plenty of water. Induce vomiting. Doctor.

**· 4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

**· Information for doctor:**

Exposure through skin and eye contact. Weak Augenzeizung (redness, lacrimation) possible. Prolonged exposure burning and redness of the skin. Decontamination, symptomatic treatment.

**· 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:** Fight larger fires with water spray, foam, powder, CO<sub>2</sub>.

· **5.2 Special hazards arising from the substance or mixture** CO<sub>2</sub>, CO, nitrogen oxides, smoke

**· 5.3 Advice for firefighters**

· **Protective equipment:** Respiratory protective equipment.

### SECTION 6: Accidental release measures

**· 6.1 Personal precautions, protective equipment and emergency procedures**

Take action without suitable protective clothing.

· **6.2 Environmental precautions:** 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).

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 disposal information.

### SECTION 7: Handling and storage

**· 7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about fire - and explosion protection:** No special measures required.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool, dry place.  
Store in original container only.
- **Information about storage in one common storage facility:**  
Keep away from foodstuffs, beverages and tobacco, acids and alkalis.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

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

- **8.1 Control parameters**

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

**4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (< 2.5%)**

WEL	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
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- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

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

- **Respiratory protection:** In inadequately ventilated places require respiratory protection.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

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.

Use protective gloves made of nitrile or butyl rubber.

- **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:** Goggles recommended during refilling

- **Body protection:** Wear protective clothing.

### SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	gray pigmented
<b>Odour:</b>	weak, characteristic

- **Change in condition**

**Melting point/Melting range:** Undetermined.

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<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	157 °C
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density at 20 °C:</b>	1.05 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

· **10.3 Possibility of hazardous reactions**

Exothermic reactions with amines, strong bases, alcohols, and under CO<sub>2</sub> capture with water and carboxylic acid.

· **10.4 Conditions to avoid** Temperature > 204 °C

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:**

In combustion emits toxic fumes of carbon monoxide, carbon dioxide.

### SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

GAS COUNCIL 4H LC50 0,123 mg / l

DEMAL RAT LC50 1060 mg / kg

ORAL RAT LD50 > 2600 mg / kg

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** slight irritation of the skin and mucous membranes possible after prolonged exposure

· **on the eye:** slight irritation possible after prolonged exposure

· **Sensitisation:** No sensitizing effects known.

### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential**

Non-Volatile

Not biodegradable

· **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

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 27.05.2015

Revision: 27.05.2015

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*H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.*

*H335 May cause respiratory irritation.*

*H411 Toxic to aquatic life with long lasting effects.*

*R23 Toxic by inhalation.*

*R36/37/38 Irritating to eyes, respiratory system and skin.*

*R42/43 May cause sensitisation by inhalation and skin contact.*

*R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

**Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)*

*ICAO: International Civil Aviation Organisation*

*ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)*

*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)*

*Acute Tox. 3: Acute toxicity, Hazard Category 3*

*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*

*Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2*

*Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1*

*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

*Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2*