

Trade name: **UHU Expanded Polystyrene**

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

- **Product identifier**
- **Trade name: UHU Expanded Polystyrene**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Adhesives
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
FABER - CASTELL
15 GIBBON RD.
WINSTON HILLS
NSW 2153
Toll Free: 1800 677 885
Free Fax: 1800 678 608
EMAIL: enquiries@faber-castell.com.au
- **Further information obtainable from:** CRD
- **Emergency telephone number:**
POISONS INFORMATION CENTRE (PIC)
TEL: 13 11 26

2 Hazards identification

- **Classification of the substance or mixture**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Danger

- **Hazard statements**

Highly flammable liquid and vapour.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

Safety data sheet

Printing date 02.06.2016

Version number 10

Revision: 02.06.2016

Trade name: UHU Expanded Polystyrene

(Contd. of page 1)

- **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

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

Store in a well-ventilated place. Keep container tightly closed.

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

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**

- **Description:** Adhesive

- **Dangerous components:**

	Kohlenwasserstoffe, C7, n-Alkane, Isoalkane, Cyclene	50-80%
110-82-7	cyclohexane	<1.0%

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

4 First aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Immediately rinse with water.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Do not induce vomiting; call for medical help immediately.

- **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:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

- **Advice for firefighters**

- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

(Contd. on page 3)

Safety data sheet

Printing date 02.06.2016

Version number 10

Revision: 02.06.2016

Trade name: UHU Expanded Polystyrene

(Contd. of page 2)

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

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

110-82-7 cyclohexane

WES (Australia)	Short-term value: 1050 mg/m ³ , 300 ppm Long-term value: 350 mg/m ³ , 100 ppm
-----------------	--

- **DNELs**

Kohlenwasserstoffe, C7, n-Alkane, Isoalkane, Cyclene

Oral	Verbraucher, Verschlucken Langzeitige Exposition	149 mg/kg bw/day
Dermal	Verbraucher, Hautkontakt Langzeitige Exposition	149 mg/kg bw/day
Inhalative	Verbraucher, Einatmen Langzeitige Exposition	477 mg/m ³

- **PNECs**

Kohlenwasserstoffe, C7, n-Alkane, Isoalkane, Cyclene

Süßwasser	
Meerwasser	
Boden	

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.

(Contd. on page 4)

Safety data sheet

Printing date 02.06.2016

Version number 10

Revision: 02.06.2016

Trade name: UHU Expanded Polystyrene

(Contd. of page 3)

- **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.

- **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:** Not required.

9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Yellowish
· Odour:	Characteristic
· Odour threshold:	Not determined.

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

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	83 °C

- **Flash point:** -1 °C

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 0 °C

- **Decomposition temperature:** Not determined.

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

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

- **Explosion limits:**

Lower:	0.0 Vol %
Upper:	0.0 Vol %

- **Vapour pressure at 20 °C:** 48 hPa

· Density at 20 °C:	0.80529 g/cm ³
· 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:	13000 mPas
Kinematic:	Not determined.

(Contd. on page 5)

Safety data sheet

Printing date 02.06.2016

Version number 10

Revision: 02.06.2016

Trade name: UHU Expanded Polystyrene

(Contd. of page 4)

· Solvent content:	
Organic solvents:	69.2 %
VOC (EC)	69.19 %

· Solids content:	30.8 %
· Other information	All relevant physical data were determined for the mixture. All non determined data are not measurably or not relevant for the characterization of the mixture.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **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 relevant for classification:**

110-82-7 cyclohexane

Oral LD50 12705 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

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.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 6)

AU

Safety data sheet

Printing date 02.06.2016

Version number 10

Revision: 02.06.2016

Trade name: UHU Expanded Polystyrene

(Contd. of page 5)

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

13 Disposal considerations

 · **Waste treatment methods**

 · **Recommendation**

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

Disposal must be made according to official regulations.

 · **European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
-----------	--

 · **Uncleaned packaging:**

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

14 Transport information

 · **UN-Number**

 · **ADG, IMDG, IATA**

UN1133

 · **UN proper shipping name**

 · **ADG**

1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS

1133 KLEBSTOFFE, UMWELTGEFÄHRDEND, Sondervorschrift 640H

 · **IMDG**

ADHESIVES (HEPTANES, CYCLOHEXANE), MARINE POLLUTANT

 · **IATA**

ADHESIVES

 · **Transport hazard class(es)**

 · **ADG, IMDG**

 · **Class**

3 Flammable liquids.

 · **Label**

3

 · **IATA**

 · **Class**

3 Flammable liquids.

 · **Label**

3

 · **Packing group**

 · **ADG, IMDG, IATA**

III

 · **Environmental hazards:**

Product contains environmentally hazardous substances: cyclohexane, Kohlenwasserstoffe, C7, n-Alkane, Isoalkane, Cyclene

 · **Marine pollutant:**

Yes

Symbol (fish and tree)

 · **Special marking (ADG):**

Symbol (fish and tree)

(Contd. on page 7)

Safety data sheet

Printing date 02.06.2016

Version number 10

Revision: 02.06.2016

Trade name: UHU Expanded Polystyrene

(Contd. of page 6)

<ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category 	<p>Warning: Flammable liquids.</p> <p>-</p> <p>F-E,S-D</p> <p>A</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADG · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code 	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p> <p>3</p> <p>E</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	UN 1133 ADHESIVES, 3, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

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

- **Australian Inventory of Chemical Substances**

25359-84-6	Terpenphenolharz
9003-55-8	Styrol-Butadien-Copolymer
112945-52-5	silicon dioxide, chemically prepared
110-82-7	cyclohexane

- **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Danger

- **Hazard statements**

Highly flammable liquid and vapour.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(Contd. on page 8)

Safety data sheet

Printing date 02.06.2016

Version number 10

Revision: 02.06.2016

Trade name: UHU Expanded Polystyrene

(Contd. of page 7)

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Store in a well-ventilated place. Keep container tightly closed.

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

- **Department issuing SDS:** CRD
- **Contact:**
Frau A. Liar,
Herr Dr. C. Hanf
- **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
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)
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
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- *** Data compared to the previous version altered.**

AU