

Trade name: UHU Twist & Glue All Purpose 35ml BI.

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

- **Product identifier**
- **Trade name: UHU twist&glue 35ml BI.**
- **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.

- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS02

- **Signal word** Danger
- **Hazard statements**
Highly flammable liquid and vapour.
- **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep container tightly closed.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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 · **vPvB:** Not applicable.

3 Composition/information on ingredients

 · **Chemical characterisation:** Mixtures

 · **Description:** Adhesive

 · **Dangerous components:**

64-17-5	ethanol	25-50%
67-64-1	acetone	25-50%
141-78-6	ethyl acetate	<2.5%

 · **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.

Immediately remove any clothing soiled by the product.

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

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

 · **After eye contact:**

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

 · **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.

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

No further relevant information available.

 · **Advice for firefighters**

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

6 Accidental release measures

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

Ensure adequate ventilation

 · **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).

Pick up mechanically.

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.

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See Section 13 for disposal information.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **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:**

64-17-5 ethanol

WES (Australia) Long-term value: 1880 mg/m³, 1000 ppm

67-64-1 acetone

WES (Australia) Short-term value: 2375 mg/m³, 1000 ppm
Long-term value: 1185 mg/m³, 500 ppm

141-78-6 ethyl acetate

WES (Australia) Short-term value: 1440 mg/m³, 400 ppm
Long-term value: 720 mg/m³, 200 ppm

· **DNELs**

64-17-5 ethanol

Oral	Verbraucher, Verschlucken Langzeitige Exposition	87 mg/kg bw/day (.)
Dermal	Verbraucher, Hautkontakt Langzeitige Exposition	206 mg/kg bw/day (.)
Inhalative	Verbraucher, Akute Wirkungen, Einatmen	950 mg/m ³ (.)
	Verbraucher, Einatmen Langzeitige Exposition	114 mg/m ³ (.)

67-64-1 acetone

Oral	Verbraucher, Verschlucken Langzeitige Exposition	62 mg/kg bw/day
Dermal	Verbraucher, Hautkontakt Langzeitige Exposition	62 mg/kg bw/day
Inhalative	Verbraucher, Einatmen Langzeitige Exposition	200 mg/m ³

141-78-6 ethyl acetate

Oral	Verbraucher, Chronische Wirkungen, Verschlucken	4.5 mg/kg (.)
Dermal	Verbraucher, Chronische Wirkungen, Hautkontakt	37 mg/kg (.)
Inhalative	Verbraucher, Akute Wirkungen, Einatmen	734 mg/m ³ (.)
	Verbraucher, Chronische Wirkungen, Einatmen	367 mg/m ³ (.)

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· PNECs
64-17-5 ethanol

Süßwasser	0.96 mg/l (.)
Meerwasser	0.79 mg/l (.)

67-64-1 acetone

Süßwasser	10.6 mg/l
Meerwasser	1.06 mg/l
Boden	29.5 mg/kg

141-78-6 ethyl acetate

Süßwasser	0.26 mg/l (.)
Meerwasser	0.026 mg/l (.)
Boden	0.22 mg/kg (.)

· 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.

Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.

· Respiratory protection: Not required.

· Protection of hands:

Solvent resistant gloves

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:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C

· Flash point: -19 °C

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 425 °C

· Decomposition temperature: Not determined.

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· 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:	2.6 Vol %
Upper:	15.0 Vol %
· Vapour pressure at 20 °C:	233 hPa
· Density at 20 °C:	0.945 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic at 20 °C:	1400 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	58.6 %
Water:	8.0 %
VOC (EC)	58.61 %
Solids content:	33.4 %
· 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:**

64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)

67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
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141-78-6 ethyl acetate

Oral	LD50	5620 mg/kg (rabbit)
Inhalative	LC50/4 h	1600 mg/l (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.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
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.
- **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 | UN1133 |
| • ADG, IMDG, IATA | |
| • UN proper shipping name | 1133 ADHESIVES |
| • ADG | 1133 KLEBSTOFFE, Sondervorschrift 640H |
| • IMDG, IATA | ADHESIVES |

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· Transport hazard class(es)
· ADG, IMDG, IATA


· **Class** 3 Flammable liquids.
 · **Label** 3

· Packing group

· **ADG, IMDG, IATA** III

· Environmental hazards:

· **Marine pollutant:** No

· Special precautions for user

Warning: Flammable liquids.

· Danger code (Kemler):

33

· EMS Number:

F-E,S-D

· Stowage Category

A

· Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

· Transport/Additional information:
· ADG
· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· Transport category

3

· Tunnel restriction code

D/E

· IMDG
· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 1133 ADHESIVES, 3, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
· Australian Inventory of Chemical Substances

All ingredients are listed.

· Standard for the Uniform Scheduling of Medicines and Poisons

67-64-1 acetone

S5

· GHS label elements

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

· Hazard pictograms


GHS02

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- **Signal word** *Danger*
- **Hazard statements**
Highly flammable liquid and vapour.
- **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep container tightly closed.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Store in a well-ventilated place. Keep cool.
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** *P5c FLAMMABLE LIQUIDS*
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** *5,000 t*
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** *50,000 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

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

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