

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

Printing date 03.07.2017

Version number 8

Revision: 03.07.2017

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

· **1.1 Product identifier**

· Trade name: **GLUECIFER GLUE**

· **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** Sealant

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Glucifer

Hop Garden Yard

South Lane

Dallington

East Sussex

TN21 9NN

T: 01435 831 831 444

sales@glucifer.co.uk

· **1.4 Emergency:**

Contact NHS111 if there is an emergency.

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Aerosol 1H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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

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

Carc. 2 H351 Suspected of causing cancer.

STOT SE 3 H335 May cause respiratory irritation.

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

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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Trade name: **GLUECIFER GLUE**

· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word Danger

· Contains:

diphenylmethanediisocyanate, isomers and homologues

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H332Harmful if inhaled.

H315Causes skin irritation.

H319Causes serious eye irritation.

H334May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317May cause an allergic skin reaction.

H351Suspected of causing cancer.

· Precautionary statements

H335May cause respiratory irritation.

H373May cause damage to organs through prolonged or repeated exposure.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

· P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P210Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251Do not pierce or burn, even after use.

P284In case of inadequate ventilation wear respiratory protection.

P261Avoid breathing dust/fume/gas/mist/vapours/spray.

Supplemental information:

EUH204 Contains isocyanates. 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 Mixtures

· **Description:** Active substance with propellant

· Dangerous components:

CAS: 9016-87-9

diphenylmethanediisocyanate, isomers and 50- <75%

homologues

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

EC number: 911-815-4

tris(2-chloro-1-methylethyl)phosphate

10- <20%

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- **Information for doctor:** No further relevant information available.

CAS: 9082-00-2 96-2	Ethoxylated/propoxylated glycerol	10	<20%
CAS: 25791-10-6	Acute Tox. 4, H302 Glycerol, propoxylated	10	<20%
NLP: 500-044-065-85 01-	Acute Tox. 4, H302		
CAS: 115-28-5 -857-2	-37-xxxx dimethyl ether	5	<10%
EINECS: 01-204	-27-xxxx Flam. Gas 1, H220; Press. Gas C, H280		
Reg.nr.: 986.827.9 01	-21-xxxx 2119472128		
CAS: 75	isobutane	5	<10%
EINECS: 200	Flam. Gas 1, H220; Press. Gas C, H280		
Reg.nr.: 2119485395			
CAS: 74	propane	1	<5%
EINECS: 200	Flam. Gas 1, H220; Press. Gas C, H280		
Reg.nr.: 2119486944			

- **Additional information:**

While curing the following substances are formed and released by a reaction with atmospheric humidity:

Immediately remove all soiled and contaminated clothing
Carbon dioxide

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

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:** Take affected persons out of danger area and lay down.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.
If symptoms persist consult doctor.

- **After eye contact:**

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

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

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

May cause an allergic skin reaction.

Irritating to eyes, respiratory system and skin.

Nausea

Harmful if inhaled.

- **Hazards** 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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet

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

Can form explosive gas-air mixtures.

Carbon monoxide (CO)

Carbon dioxide

Nitrogen oxides (NO_x)

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

· **5.3 Advice for firefighters**

Hydrogen cyanide (HCN)

· **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

Avoid contact with the eyes and skin.

Ensure adequate ventilation

Keep away from ignition sources.

· **6.3 Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· **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.

Keep away from sources of ignition - No smoking.

Do not breathe vapour.

Avoid contact with the eyes and skin.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/ exhaust at the workplace.

Open and handle receptacle with care.

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

· **Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **Information about storage in one common storage facility:**

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

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

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

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- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat and direct sunlight.
- **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:**
 - 9016-87-9 diphenylmethanediisocyanate, isomers and homologues**
 - WEL Short-term value: 0.07 mg/m³
 - Long-term value: 0.02 mg/m³
 - Sen; as -NCO
 - 115-10-6 dimethyl ether**
 - WEL Short-term value: 958 mg/m³, 500 ppm
 - Long-term value: 766 mg/m³, 400 ppm
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**
 - Carbon dioxide
- **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.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Protection of hands:



Protective gloves

· **Material of gloves**

Butyl rubber, BR

Recommended thickness of the material: □ 0.4 mm

· **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

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- **Eye protection:**
Tightly sealed goggles



- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Aerosol

Colour: According to product specification

· Odour: Characteristic

· Odour threshold: Not determined.

· pH-value: Not determined.

· Melting point/freezing point: Not applicable, as aerosol.

· Initial boiling point and boiling range: Not applicable, as aerosol.

· Flash point: -97 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature:

Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive mixtures are possible.

· Explosion limits:

Lower: 3.0 Vol %

Upper: 18.6 Vol %

· Vapour pressure at 20 °C: 5200 hPa

· Density at 20 °C: 1.02 g/cm³

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not applicable.

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.

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- **Solvent content:**
 - VOC (EU)** 153.0 g/l
 - VOC (EC)** 15.00 %
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Danger of bursting.
Forms explosive gas mixture with air.
- **10.4 Conditions to avoid**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)
Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Hydrogen cyanide (prussic acid)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:**
 - 9016-87-9 diphenylmethanediisocyanate, isomers and homologues**
 - Oral LD50 > 10000 mg/kg (rat)
 - Dermal LD50 > 10000 mg/kg (rabbit)
 - Inhalative LC50/4 h 1.5 mg/L (rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity**
Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.

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- **STOT-single exposure**
May cause respiratory irritation.
- **STOT-repeated exposure**
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
9016-87-9 diphenylmethanediisocyanate, isomers and homologues
LC0/96 h > 1000 mg/L (brachydanio rerio)
EC50/24 h > 1000 mg/L (daphnia magna)
NOEC/21 d > 10 mg/L (daphnia magna)
- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is not easily biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Other information:**
This product contains no substances in Annex I to Directive EC 1005/2009 concerning ozone depleting substances
- **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 together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.
Do not pierce or burn, even after use.
- **European waste catalogue**
16 05 04* gases in pressure containers (including halons) containing hazardous substances
08 05 01* waste isocyanates
- **Uncleaned packaging:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

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SECTION 14: Transport information

- **14.1 UN-Number**
· **ADR, IMDG, IATA** UN1950

- **14.2 UN proper shipping name**
· **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable

- **14.3 Transport hazard class(es)**
· **ADR**
- **Class**
- **Label** 2 5F Gases.
2.1
- **IMDG, IATA**
- **Class** 2.1
- **Label** 2.1

- **14.4 Packing group**
· **ADR, IMDG, IATA** Void

- **14.5 Environmental hazards:**
· **Marine pollutant:** No

- **14.6 Special precautions for user** Warning: Gases.
- **Danger code (Kemler):** -
- **EMS Number:** F-D,S-U
- **Stowage Code** SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
SG69 For AEROSOLS with a capacity above 1 litre: Segregation as for class 9. Stow "separated" For AEROSOLS with a capacity above 1 litre: the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
- **Segregation Code**

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Transport/Additional information:

- **ADR**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0
- **Transport category** Not permitted as Excepted Quantity
2
- **Tunnel restriction code** D
- **Remarks:**
 - Special provisions: 190, 327, 344, 625 (3.3)
 - Special provisions for CV9,
CV12 (7.5.11); S2 (8.5)

- **IMDG**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0
- **Remarks:**
 - Special provisions: 63, 327, 344,
(3.3)

- **IATA**
- **Remarks:**
 - Special provisions: A145, A167, A802 (4.4)

- **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

* **SECTION 15: Regulatory information**

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

"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).

"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.

HSE EH40/2005 Workplace Exposure Limits (as amended)

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable.

· **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

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

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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.

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas C: Gases under pressure – Compressed gas

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

GB