



# Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH), Annex II

Version: 2.0/EN  
Trade name: Glutex

Revision date: 28/11/2010  
Printing date: 28/11/2010

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

### 1.1 Product identifier

Trade name: Glutex  
Chemical name: Vinyl Repair Glue  
Product description: The mixture is flammable, and irritant according to CLP and 1999/45/EC. The mixture is used as adhesive to repair articles, but there is no particular risk for repairing articles during normal operating.  
REACH registration No.: Not available.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: To repair all kinds of inflatable boats, air bed, swimming pool, tents, toys, etc.  
Uses advised against: Not available.

### 1.3 Details of the supplier of the SDS

Company name: Manufacturas GRE, S.A.  
Address: Aritz Bidea 57, Belako Industrialdea. 48100 Munguia Vizcaya (Spain)  
E-mail: fds@gre.es  
Telephone: +34 946 741 116  
Fax: +34 946 741 708

### 1.4 Emergency telephone number

Spain: +34 91 562 04 20  
France: Paris: 01 40 05 48 48    Toulouse: 05 61 77 74 47    Marseille: 04 91 75 25 25  
Italy: Rome: 06/3054343  
Portugal: 808 250 143

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008[CLP]  
Flam. Liq. 2; H225 - Eye Irrit. 2; H319 - STOT SE 3; H336  
Classification according to Directive 1999/45/EC  
F; R11 - Xi; R36 - R66 - R67

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## Additional information

Full text of R-phrase(s) and H-statement(s): see section 16.

The mixture is used as adhesive to repair articles, but there is no particular risk for repairing articles during normal operating.

## 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Product identifier: Glutex (contain butanone, acetone and ethyl acetate)

Hazard

pictogram(s):



GHS02



GHS07

Signal word: Danger.

Hazard statements: H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

### Precautionary statements:

Prevention: P210: Keep away from heat/ sparks/ open flames/ hot surfaces.-No smoking.

P233: Keep container tightly closed.

P240: Ground/ bond container and receiving equipment.

P241: Use explosion-proof electrical/ ventilating/ lighting equipment.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: P303 + P361 + P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P370 + P378: In case of fire: Use dry chemical powder, carbon dioxide, or chemical foams for extinction.

Storage: P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

Disposal: P501: Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

### Supplemental Hazard information (EUH):

EUH066: Repeated exposure may cause skin dryness or cracking.

### Special rules for supplemental label elements for certain mixtures:

No information available.

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Labelling according to Directive 1999/45/EC

Product identifier: Glutex (contain butanone, acetone and ethyl acetate)

Symbol(s) and

Indication(s) of Danger:



F: Highly flammable



Xi: Irritant

Risk Phrase: R11: Highly flammable.  
R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

Safety Phrases: S2: Keep out of the reach of children.  
S16: Keep away from sources of ignition - No smoking.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S29: Do not empty into drains.  
S33: Take precautionary measures against static discharges.

## 2.3 Other hazards

No information available.

## Section 3: Composition/information on ingredients

### 3.1 Ingredients information

Substance name	Pe-Registrati on No.	CAS No.	EC No.	Classification under CLP	Classification under 67/548/EEC	%(w/w)
Polyurethane resin	Not available.	26680-22-8	-	Not classified.	Not classified.	15
Methyl Ethyl Ketone; Butanone	05-2114280976 -32-0000	78-93-3	201-159-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	F; R11 Xi; R36 R66 R67	35
Acetone	05-2114280950 -46-0000	67-64-1	200-662-2	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	F; R11 Xi; R36 R66 R67	30
Ethyl Acetate	05-2114280960 -45-0000	141-78-6	205-500-4	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	F; R11 Xi; R36 R66 R67	20

Remark: Full text of R-phrase(s) and H-statement(s): see section 16.



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## Section 4: First aid measures

### 4.1 Description of first aid measures

**General notes:** In all cases of doubt, or when symptoms persist, seek medical attention.

**Following inhalation:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Get medical aid immediately.

**Following skin contact:**

Immediately wash skin with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if symptoms persist.

**Following eye contact:**

Remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Following ingestion:**

If swallowed, avoid prolonged, do not induce vomiting and call a physician immediately.

**Notes for the doctor:**

Treat symptomatically and supportively.

Treatment may vary with condition of victim and specifics of incident.

### 4.2 Most important symptoms and effects, both acute and delayed

Repeated exposure may cause skin dryness or cracking.

Vapours may cause eyes irritation. Vapours may cause drowsiness and dizziness.

### 4.3 Indication of the immediate medical attention and special treatment needed

Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending physician should treat exposed patients symptomatically.

## Section 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** Use dry chemical powder, carbon dioxide, or chemical foams.

**Unsuitable extinguishing media:** Not available.

### 5.2 Special hazards arising from the substance or mixture

Will burn if involved in a fire. May produce toxic fumes of carbon monoxide if burning.

Vapors may form an explosive mixture with air. Vapors can travel to source of ignition and flash back.

### 5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear full protective suit.

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## Section 6: Accidental release measures

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

Remove all sources of ignition. Keep unprotected persons away. Ensure adequate ventilation.  
Wear protective equipment, such as respirator, rubber gloves, goggles and protective clothing.

### *6.2 Environmental precautions*

Avoid entering into surface water or sanitary sewer system.

### *6.3 Methods and material for containment and cleaning up*

Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container.  
Wipe up residue with further paper towel and place in container. Wash spill area with soap and water.  
Steps to be taken in case material is released or spilled: Absorb with dry sand or other inert material,  
Then transfer to suitable container should follow all regulation or an authorized waste collector in your country. Dispose of contaminated material as waste according to Section 13.

### *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 information on disposal.

## Section 7: Handling and storage

### *7.1 Precautions for safe handling*

Avoid breathing vapors. Avoid getting in eyes, skin, or clothing. Use only in well-ventilated area.  
Keep containers tightly sealed, do not expose container to heat or flame. Dissipate static electricity during transfer by grounding and bonding containers and equipments before transferring materials.  
Use working methods according to operating instructions. Operating Temperature: 10°C -40°C

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

This product is flammable. Storage Temperature: Max 40 °C, Min 5 °C and indoor.  
Keep away from sources of ignition, caustics and oxidizers, heat, spark and flame. -- No smoking.  
Store in cool, dry conditions in well sealed containers. Keep away from children.  
Store in a locked cabinet or with access restricted to technical experts or their assistants.

### *7.3 Specific end use(s)*

Not available.



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## Section 8 : Exposure controls/personal protection

### 8.1 Control parameters

#### Exposure limit values:

CAS# 78-93-3	MAC (NL): 200 ppm; 590 mg/m <sup>3</sup> . MAK (DE): 200 ppm; 590 mg/m <sup>3</sup> . WEL (UK): 200 ppm; 590 mg/m <sup>3</sup> . TWA (US OSHA): 200 ppm; 300 ppm (STEL). TWA (ACGIH): 200 ppm; 300 ppm (STEL).
CAS# 67-64-1	MAC (Japan): 200 ppm; 470 mg/m <sup>3</sup> . MAC (NL): 750 ppm; 1780 mg/m <sup>3</sup> . MAK (DE): 1000 ppm; 2400 mg/m <sup>3</sup> . TWA (US OSHA): 750 ppm; 1000 ppm (STEL). TWA (ACGIH): 750 ppm; 1000 ppm (STEL).
CAS# 141-78-6	MAC (NL): 550 mg/m <sup>3</sup> . WEL (DE): 400 ppm; 1400 mg/m <sup>3</sup> . TWA (UK): 200 ppm; 400 ppm (STEL). TWA (US OSHA): 400 ppm. TWA (ACGIH): 400 ppm.

### 8.2 Exposure controls

#### Appropriate engineering controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits. The usual precautionary measures should be adhered to in handling the chemicals.

Instantly remove any soiled and impregnated garments.

Avoid contact with skin and eyes and the inhalation of vapor.

#### Personal protective equipment:

**Eye and face protection:** Sufficient eye protection must be worn. Wear glasses with side protection. If the eyes may potentially come in contact with the liquids, then chemical safety goggles are necessary. If vapours or aerosols that may injure the eyes arise, then safety of the eyes can best be guaranteed by wearing a full mask.

**Skin protection:** Depending on the risk, wear a tight, long apron and boots or suitable chemical protection clothing. The protection clothing should be solvent resistant. Wear flameproof, antistatic protective clothing.

Protective gloves of the following materials should not be worn longer than 1 hour continually (Permeation time  $\geq$  1 hour): Butyl rubber - Butyl (0.5 mm).

Following materials are unsuitable for protective gloves: Natural rubber/Natural latex - NR, Polychloroprene - CR, Nitrile rubber/Nitrile latex - NBR, Fluoro carbon rubber - FKM, Polyvinyl chloride - PVC.

**Respiratory protection:** In an emergency (e.g.: unintentional release of the substance, exceeding the occupational exposure limit value) respiratory protection must be worn. Consider the maximum period for wear.



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Respiratory protection: Gas filter A, Colour code brown.

**Environmental exposure controls:**

Avoid entering into surface water or sanitary sewer system.

**Industrial hygiene:**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Viscous Liquid
Colour:	Semi-Transparent.
Odour:	Ketone odor.
pH:	Not available.
Melting point:	Not available.
Boiling point:	56 ~ 80 °C
Flash point:	0°C, close cup
Ignition temperature:	Not available.
Vapour pressure :	77.5 mm/Hg at 20°C
Specific Gravity:	0.81~ 0.87 (H2O=1)
Water solubility:	Partial soluble, at 20°C
Evaporation Rate:	5.72 (Eac=1)
Vapor Density:	Heavier than air (Air=1).
n-Octanol/Water (log Po/w) :	Not available.
Viscosity:	Aprox.2200 cps. at 25°C
Explosion limits:	1.8% - 13.0%

### 9.2 Other information

No data available.

## Section 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

Temperatures over 40°C, flame, ignition sources, and incompatible materials.



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## 10.5 Incompatible materials

Oxidizers, caustics substances and ignition materials.

## 10.6 Hazardous decomposition products

Will burn if involved in a fire. May produce toxic fumes of carbon monoxide if burning.

## Section 11: Toxicological information

### 11.1 Toxicokinetics, metabolism and distribution

No information available.

### 11.2 Information on toxicological effects

#### Acute toxicity:

CAS# 78-93-3	Acute oral toxicity:	LD <sub>50</sub> = 2737 mg/kg (rat);
	Acute inhalation toxicity:	LC <sub>50</sub> = 23500 mg/m <sup>3</sup> /8h (rat);
	Acute dermal toxicity:	LD <sub>50</sub> = 6400-8000 mg/kg (rabbit).
CAS# 67-64-1	Acute oral toxicity:	LD <sub>50</sub> = 5800 mg/kg (rat);
	Acute inhalation toxicity:	LC <sub>50</sub> = 50100 mg/m <sup>3</sup> /8h (rat);
	Acute dermal toxicity:	LD <sub>50</sub> = 20000 mg/kg (rabbit).
CAS# 141-78-6	Acute oral toxicity:	LD <sub>50</sub> = 5620 mg/kg (rat);
	Acute inhalation toxicity:	LC <sub>50</sub> = 45000 mg/m <sup>3</sup> /2h (rat);
	Acute dermal toxicity:	LD <sub>50</sub> > 18000 mg/kg (rabbit).
Mixture	Acute oral toxicity:	LD <sub>50</sub> = 4135 mg/kg (Estimated) (rat);
	Acute inhalation toxicity:	LC <sub>50</sub> = 3760 mg/m <sup>3</sup> /8h (Estimated) (rat);
	Acute dermal toxicity:	No data available.

#### Skin corrosion/irritation:

CAS# 78-93-3	Skin irritating, rabbit: moderately irritating;
CAS# 67-64-1	Skin irritating, rabbit: slightly irritating;
CAS# 141-78-6	Skin irritating, rabbit: not irritating;
Mixture	Solvents may degrease the skin. Prolonged skin contact may cause dermatitis.

#### Serious eye damage/irritation:

CAS# 78-93-3	Eye irritating, rabbit: highly irritating.
CAS# 67-64-1	Eye irritating, rabbit: moderately irritating.
CAS# 141-78-6	Eye irritating, rabbit: not irritating.
Mixture	Evaporation of solvents may cause irritation to eyes and mucous membranes.

#### Respiratory or skin sensitization:

May cause allergic reaction in some individuals.

#### CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):

##### Carcinogenicity:

No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.





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## *Mutagenicity and Toxicity for Reproduction:*

Quantitative data on mutagenicity and toxicity for reproduction of this product are not available.

## *STOT-single exposure and repeated exposure:*

No data available.

## *Additional information:*

No data available.

## Section 12: Ecological information

### *12.1 Toxicity*

Quantitative data on the acute fish/daphnia/bacteria toxicity of this product are not available.

### *12.2 Persistence and degradability*

When release to soil or water, this material may biodegrade to a moderate extent.

When release into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals.

### *12.3 Bioaccumulative potential*

This material is not significantly bio-accumulate.

### *12.4 Mobility in soil*

Based on best current information, there is no data known associated with this product.

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

Based on best current information, there is no data known associated with this product.

### *12.6 Other adverse effects*

Avoid runoff into storms and sewers which lead into waterways.

Do not flush into surface water or sanitary sewer system.

## Section 13: Disposal considerations

### *13.1 Waste treatment methods*

Dispose of in accordance with all local, provincial, state, and federal regulations.

Hand over to disposers of hazardous waste.

Must be specially treated under adherence to official regulations.

Empty container: May contain explosive vapors. Do not cut, puncture or weld on or nearby.

## Section 14: Transport information

### *14.1 Land transport (ADR/RID/GGVSE)*

UN-No.: 1133



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Official transport designation: ADHESIVES, containing a flammable liquid.  
Class: 3  
Classification Code: F1  
Packing group: II  
Hazard label: 3

## 14.2 Sea transport (IMDG-Code/GGVSee)

Proper Shipping Name: ADHESIVES, containing a flammable liquid.  
Class: 3  
UN-No.: 1133  
Packing group: II

## 14.3 Air transport (ICAO-TI/IATA-DGR)

Proper Shipping Name: ADHESIVES, containing a flammable liquid.  
Class: 3  
UN-No.: 1133  
Packing group: II

## 14.4 Additional information

Keep away from foodstuffs, acids and alkalis. Put between 5 °C and 40 °C.

The data provided in this section is for information only and may not be specific to your package size.

You will need to apply the appropriate regulations to properly classify your shipment for transportation.

## Section 15: Regulatory information

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

EU regulation:

**Authorisations:** No information available.

**Restrictions on use:** No information available.

**EINECS:** CAS #78-93-3, CAS #67-64-1, and CAS #141-78-6 are listed in the Inventory.

**DSD (67/548/EEC):** CAS #78-93-3, CAS #67-64-1, and CAS #141-78-6 are listed in the Inventory.

Other chemical regulation:

**USA - TSCA:** CAS #78-93-3, CAS #67-64-1, and CAS #141-78-6 are listed in the Inventory.

**Canada - DSL:** CAS #78-93-3, CAS #67-64-1, and CAS #141-78-6 are listed in the Inventory.

**Australia - AICS:** CAS #78-93-3, CAS #67-64-1, and CAS #141-78-6 are listed in the Inventory.

**Korea - ECL:** CAS #78-93-3, CAS #67-64-1, and CAS #141-78-6 are listed in the Inventory.

**Japan - ENCS:** CAS #78-93-3, CAS #67-64-1, and CAS #141-78-6 are listed in the Inventory.

**China - IECSC:** CAS #78-93-3, CAS #67-64-1, and CAS #141-78-6 are listed in the Inventory.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

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## Section 16: Other information

### 16.1 Revision Information:

Date of the previous revision: 10/11/2009

Date of this revision: 28/11/2010

Revision summary: According to the requirements for a Safety Data Sheet of REACH and CLP, version 2.0 has been updated since 28/11/2010. Version 2.0 (the new SDS) include some additional information that was not mentioned in the previous version 1.0 such as:

Section 1 Emergency telephone number; Section 2 Hazards identification; Section 8 Personal protective equipment; Section 16.2, 16.3, 16.4, 16.6.

### 16.2 Abbreviations and acronyms

CLP: EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

EINECS: European Inventory of Existing Commercial Chemical Substances.

IARC: International agency for research on cancer.

RID: European Rail Transport.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

OSHA: The United States Occupational Safety and Health Administration.

DSD: Dangerous Substance Directive (67/548/EEC).

TSCA: Toxic Substances Control Act, The American chemical inventory.

DSL: Domestic Substances List, The Canadian chemical inventory.

AICS: The Australian Inventory of Chemical Substances.

ECL: Existing Chemicals List, the Korean chemical inventory.

ENCS: Japanese Existing and New Chemical Substances.

IECSC: Inventory of existing chemical substances in China.

### 16.3 Key literature references and sources for data

GESTIS - Substance database.

### 16.4 Relevant R-phrases and H-statements

R-phrases (code and full text):

R11: Highly flammable.

R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

H-statements (code and full text):

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.



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EUH066: Repeated exposure may cause skin dryness or cracking.

## 16.5 Training advice

No data available.

## 16.6 Declare to reader

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.

----- End of the SDS -----