
SECTION 1: Identification of the substance/mixture and of the company**1.1. Product identifier**

Chemical Name	Stormsure PVC Glue
Product Trade Name	Glutex #13N
CAS No	Not applicable
REACH registration number	No information available

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

Recommended Use	Repair and sticking of PVC sheeting.
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet

Supplier	Stormsure Ltd
Address	Hall Farm, Lode Road Bottisham, Cambridge CB25 9DN U.K.
Phone	+44 33 33 44 1500
E-mail	info@stormsure.com
1.4. Emergency telephone number	+44 33 33 44 1500 (Not 24 hours)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids Category 2 - (H225)

Serious eye damage/eye irritation Category 2 - (H319)

Specific target organ toxicity (single exposure) Category 3 - (H336)

Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11 Xi; R36 R66 R67

2.2. Label elements

Symbols/Pictograms

Signal word Danger

Hazard Statements

H225 - Highly flammable liquid and vapour

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness



EU Specific Hazard Statements EUH210 - Safety data sheet available on request

Precautionary Statements:

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3 Other hazards

EUH - Repeated exposure may cause skin dryness or cracking

SECTION 3: Composition/information on ingredients

3.1 Mixture

Chemical Name	EC Number	CAS Number	Pre-registration number	Weight %	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethylacetate	205-500-4	141-78-6	05-211428096 0-45-0000	30-50	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)
Methyl ethyl ketone	201-159-0	78-93-3	05-211428097 6-32-0000	12-22	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)
Methyl acetate	201-185-2	79-20-9	17-211994242 4-40-0000	8-18	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)

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Polyurethane	-	26680-2 2-8	N/A	12-18	N/A	N/A
Acetone	200-662-2	67-64-1	05-211428095 0-46-0000	8-16	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)

SECTION 4: First aid measures**4.1 Description of first aid measures****General advice**

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth Get medical attention Never give anything by mouth to an unconscious person

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

Causes serious eye irritation. May cause drowsiness or dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media CO₂, dry chemical, dry sand, alcohol-resistant foam.

Unsuitable extinguishing media Straight streams of water

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours

5.3 Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas and ensure adequate ventilation, especially in confined areas. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin, eyes or clothing. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8 and wash thoroughly after handling.

6.2 Environmental precautions

Local authorities should be advised if significant spillages cannot be contained Prevent entry into waterways, sewers, basements or confined areas

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13)

vermiculite) and place in container for disposal according to local / national regulations (see Section 13)

6.4. Reference to other sections

See Section 7, 8 and 13 for more information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing and wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces - no smoking. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8 and wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Keep locked up and out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations

7.3 Specific end use(s)

Apart from the uses mentioned in SECTION 1.2, no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

Chemical name	Australia	Austria	Belgium	Denmark	European Union
Ethylacetate (CAS #: 141-78-6)	200 ppm 720 mg/m ³ 400 ppm STEL 1440 mg/m ³ STEL	STEL 600 ppm STEL 2100 mg/m ³ TWA: 300 ppm TWA: 1050 mg/m ³	-	TWA: 150 ppm TWA: 540 mg/m ³	-
Methyl ethyl ketone (CAS #: 78-93-3)	150 ppm 445 mg/m ³ 300 ppm STEL 890 mg/m ³ STEL	Skin STEL 200 ppm STEL 590 mg/m ³ TWA: 100 ppm TWA: 295 mg/m ³	-	TWA: 50 ppm TWA: 145 mg/m ³ Skin	TWA 200 ppm TWA 600 mg/m ³ STEL 300 ppm STEL 900 mg/m ³
Methyl acetate (CAS #: 79-20-9)	200 ppm 606 mg/m ³ 250 ppm STEL 757 mg/m ³ STEL	STEL 400 ppm STEL 1220 mg/m ³ TWA: 200 ppm TWA: 610 mg/m ³	-	TWA: 150 ppm TWA: 455 mg/m ³	-
Acetone (CAS #: 67-64-1)	500 ppm 1185 mg/m ³ 1000 ppm STEL 2375 mg/m ³ STEL	STEL 2000 ppm STEL 4800 mg/m ³ TWA: 500 ppm TWA: 1200 mg/m ³	-	TWA: 250 ppm TWA: 600 mg/m ³	TWA 500 ppm TWA 1210 mg/m ³
Chemical name	Poland	Portugal	Spain	Switzerland	Netherlands

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Ethylacetate (CAS #: 141-78-6)	STEL: 600 mg/m ³ TWA: 200 mg/m ³	TWA: 400 ppm	TWA: 400 ppm TWA: 1460 mg/m ³	STEL: 800 ppm STEL: 2800 mg/m ³ TWA: 400 ppm TWA: 1400 mg/m ³	-
Methyl ethyl ketone (CAS #: 78-93-3)	STEL: 900 mg/m ³ TWA: 450 mg/m ³	STEL: 300 ppm TWA: 200 ppm	STEL: 300 ppm STEL: 900 mg/m ³ TWA: 200 ppm TWA: 600 mg/m ³	Skin STEL: 200 ppm STEL: 590 mg/m ³ TWA: 200 ppm TWA: 590 mg/m ³	Skin STEL: 900 mg/m ³ TWA: 590 mg/m ³
Methyl acetate (CAS #: 79-20-9)	STEL: 600 mg/m ³ TWA: 250 mg/m ³	STEL: 250 ppm TWA: 200 ppm	STEL: 250 ppm STEL: 770 mg/m ³ TWA: 200 ppm TWA: 616 mg/m ³	STEL: 400 ppm STEL: 1240 mg/m ³ TWA: 100 ppm TWA: 310 mg/m ³	-
Acetone (CAS #: 67-64-1)	STEL: 1800 mg/m ³ TWA: 600 mg/m ³	STEL: 750 ppm TWA: 500 ppm	TWA: 500 ppm TWA: 1210 mg/m ³	STEL: 1000 ppm STEL: 2400 mg/m ³ TWA: 500 ppm TWA: 1200 mg/m ³	STEL: 2420 mg/m ³ TWA: 1210 mg/m ³

Chemical name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylacetate (CAS #: 141-78-6)	TWA: 150 ppm TWA: 550 mg/m ³ STEL: 187.5 ppm STEL: 687.5 mg/m ³	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1400 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m ³

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Methyl ethyl ketone (CAS #: 78-93-3)	TWA: 75 ppm TWA: 220 mg/m ³ STEL: 112.5 ppm STEL: 275 mg/m ³	STEL: 300 ppm STEL: 899 mg/m ³ TWA: 200 ppm TWA: 600 mg/m ³ Skin	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m ³ (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m ³	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³
Methyl acetate (CAS #: 79-20-9)	TWA: 100 ppm TWA: 305 mg/m ³ STEL: 150 ppm STEL: 381.25 mg/m ³	STEL: 250 ppm STEL: 770 mg/m ³ TWA: 200 ppm TWA: 616 mg/m ³	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m ³	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m ³ STEL: 250 ppm STEL: 760 mg/m ³
Acetone (CAS #: 67-64-1)	TWA: 125 ppm TWA: 295 mg/m ³ STEL: 156.25 ppm STEL: 368.75 mg/m ³	STEL: 1500 ppm STEL: 3620 mg/m ³ TWA: 500 ppm TWA: 1210 mg/m ³	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

Personal protective equipment

EYE/FACE: Safety glasses with side shields or goggles

HAND: Protective gloves

SKIN AND BODY: Suitable protective clothing

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Colourless to slight yellow
Odour	Solvent odour
Odour threshold	-
pH	-
Melting point/freezing point	73.5 °C
Boiling point/boiling range	70 - 80°C
Flash point	<-10°C
Evaporation rate	-
Flammability	-
Flammability limit in air	1.2% - 7.5%
Vapour pressure	-
Vapour density	-
Density	-
Relative density	-
Specific gravity	-
Water solubility	Insoluble in water. Soluble in most organic solvents
Partition coefficient (LogPow)	CAS#141-78-6:0.6
Autoignition temperature	408°C
Decomposition temperature	-
Kinematic viscosity	-
Dynamic viscosity	-
Explosive properties	Not an explosive
Oxidising properties	-

9.2 Other informationSpecific gravity - 0.75 - 0.85(H₂O=1)**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Steam may form explosive mixture with air.

10.4. Conditions to avoid

Heat, flames and sparks. Temperatures over 40 °C. Incompatible materials

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides. Nitrogen oxides.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylacetate (CAS #: 141-78-6)	= 5620 mg/kg (Rat)	4940 mg/kg (Rabbit)	45000 mg/m ³ (Rat) 2 h
Methyl ethyl ketone (CAS #: 78-93-3)	3400 mg/kg (Rat)	6480 mg/kg (Rabbit)	= 23500 mg/m ³ (Rat) 8 h
Methyl acetate (CAS #: 79-20-9)	> 5000 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h
Acetone (CAS #: 67-64-1)	5800 mg/kg (Rat)	20000 mg/kg (Rabbit)	= 50100 mg/m ³ (Rat) 8 h

Skin corrosion/irritation

Non-irritating to the skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Sensitisation

No sensitisation responses were observed.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

SECTION 12: Ecological information

Chemical name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Ethylacetate (CAS #: 141-78-6)	-	220 - 250: 96 h Pimephales promelas mg/L LC50 flow-through 484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 352 - 500: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	560: 48 h Daphnia magna mg/L EC50 Static
Methyl ethyl ketone (CAS #: 78-93-3)	-	3130 - 3320: 96 h Pimephales promelas mg/L LC50 flow-through	520: 48 h Daphnia magna mg/L EC50 5091: 48 h Daphnia magna mg/L EC50 4025 - 6440: 48 h Daphnia magna mg/L EC50 Static

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Methyl acetate (CAS #: 79-20-9)	120: 72 h Desmodosmus subspicatus mg/L EC50	295 - 348: 96 h Pimephales promelas mg/L LC50 flow-through 250 - 350: 96 h Brachydanio rerio mg/L LC50 static	1026.7: 48 h Daphnia magna mg/L EC50
Acetone (CAS #: 67-64-1)	-	6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Chemical name	Partition coefficient (LogPow)
Ethylacetate (CAS #: 141-78-6)	0.6
Methyl ethyl ketone (CAS #: 78-93-3)	0.29
Methyl acetate (CAS #: 79-20-9)	0.18
Acetone (CAS #: 67-64-1)	-0.24

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment was not conducted.

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

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Carbamic acid, ethyl ester, homopolymer 26680-22-8 (12-18)	-	-	-	-	X	-	-	-
Acetone 67-64-1 (8-16)	X	X	X	X	X	X	X	X

"X" - Listed

"- " - Not listed

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue date 8 April 2016

Revision date 8 April 2016

Revision note Not applicable.

STOT - single exposure

May cause drowsiness or dizziness

Key or legend to abbreviations and acronyms used in the safety data sheet**TWA** - Time-weighted average**STOT - repeated exposure****STEL** - short term exposure limit**Ceiling** - maximum limit value

No information available.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**Aspiration hazard****EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

No information available.

ENCS - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**Full text of H-Statements referred to under section 3**

H319 - causes serious eye irritation

H336 - may cause drowsiness or dizziness

H225 - highly flammable liquid and vapour

EUH066 - repeated exposure may cause skin dryness or cracking

Full text of R-Phrases referred to under sections 2 and 3

Trade name: **Stormsure PVC Glue**

R11 - highly flammable

R36 - irritating to eyes

R66 - repeated exposure may cause skin dryness or cracking

R67 - vapours may cause drowsiness and dizziness

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.