





# Safety Data Sheet – Rubber Solution Glue

According to EC-Regulations 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

<b>1.1</b>	<b>Product identifier</b>				
	Product Name:	Rubber Solution Glue			
	Product Code:	PCA 005			
	CAS No.:	None assigned			
	EC No.:	None assigned			
	REACH Registration No.:	None assigned			
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against</b>				
	Identified Use(s):	Adhesives			
	Uses Advised Against:	Not known			
<b>1.3</b>	<b>Details of the supplier of the safety data sheet</b>				
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<b>1.4</b>	<b>Emergency telephone number</b>				
	<b>Country</b>	<b>Organisation/Company</b>	<b>Address</b>	<b>Emergency Number</b>	<b>Comment</b>
	United Kingdom	CytoCell Ltd	www.ogt.com	+44 (0) 1223 294048	
	United Kingdom	National Poisons Information Service (NHS Direct)	www.npis.org	111 (England & Wales only) 112 (EU) 08454 24 24 24 (Scotland)	

## SECTION 2: Hazards identification

<b>2.1</b>	<b>Classification of the substance or mixture</b>				
	Classification according to Regulation (EC) No. 1272/2008 [CLP]				
	Flam. Liq. 2 Asp. Tox. 1 Skin Irrit. 2 STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.			
<b>2.2</b>	<b>Label elements</b>				
	<b>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</b>				
	Product Name:	Rubber Solution Glue			
	Hazard pictograms:	   			
	Signal word:	Danger			
	Hazard statements:	H225: Highly flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H410: Very toxic to aquatic life with long lasting effects.			

	Precautionary statements:	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261: Avoid breathing vapours. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P501: Dispose of contents in accordance with local, state or national legislation.
<b>2.3</b>	<b>Other hazards</b>	
	None known	
<b>2.4</b>	<b>Additional Information</b>	
	For full text of H/P Statements see section 16.	

### SECTION 3: Composition/information on ingredients

<b>3.1</b>	<b>Substance</b>					
	Not applicable					
<b>3.2</b>	<b>Mixtures</b>					
	Hazardous Ingredient(s)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
	Heptane	142-82-5	205-563-8 / 01-2119457603-38-XXXX	60-90	Flam. Liq. 2 H225 Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS02 GHS08 GHS07 GHS09
	Contains no non-classified vPvB substances or substances with a Union workplace exposure limit. For full text of H/P statements, see section 16.					

### SECTION 4: First aid measures

<b>4.1</b>	<b>Description of first aid measures</b>	
	Inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
	Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical advice/attention.
	Eye Contact:	Flush eyes with water for at least 15 minutes while holding eyelids open.
	Ingestion:	Do not induce vomiting. Immediately call a POISON CENTER/doctor.
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>	
	Causes skin irritation. May be fatal if swallowed and enters airways. Vapour: May cause drowsiness or dizziness.	
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed</b>	
	Unlikely to be required but if necessary treat symptomatically.	

### SECTION 5: Firefighting measures

<b>5.1</b>	<b>Extinguishing media</b>	
	Suitable extinguishing media:	Use polar resistant foam, CO2 or dry powder to extinguish.
	Unsuitable extinguishing media:	Do not use water jet.
<b>5.2</b>	<b>Special hazards arising from the substance or mixture</b>	
	Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. Decomposes in a fire giving off toxic fumes: Oxides of carbon.	
<b>5.3</b>	<b>Advice for firefighters</b>	
	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.	

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Avoid breathing vapours. Remove all ignition sources. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages. Wear appropriate personal protective equipment, avoid direct contact. Take off contaminated clothing and wash it before reuse.

### 6.2 Environmental precautions

Avoid release to the environment.

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

Absorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a lidded container for disposal or recovery.

### 6.4 Reference to other sections

See also Section 8.13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing vapours. Avoid contact with skin and eyes. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/ face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke at the work place.

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

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

Storage temperature:	Ambient.
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Storage life:	Stable under normal conditions.
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Incompatible materials:	None known.
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### 7.3 Specific end use(s)

Adhesives.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Heptane	142-82-5	500	2085			
Heptane	142-82-5	500	2085			IOELV
Region		Source				
EU		EU Occupational Exposure Limits.				
United Kingdom		UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020).				
Remark		Notes				
IOELV		Indicative Occupational Exposure Limit Value.				

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

<b>8.2.2</b>	<b>Personal protection equipment</b>	
	Eye Protection	Wear protective eye glasses for protection against liquid splashes. Recommended: Eye protection with side protection (EN 166).
	Skin protection	Wear protective clothing and gloves: Impervious gloves (EN 374). Recommended: Nitrile rubber. Breakthrough time: ≥ 6 hour(s).
	Respiratory protection	In case of inadequate ventilation wear respiratory protection. Recommended: Combination filter, Type A2/P3.
	Thermal hazards	Not applicable.
<b>8.2.3</b>	<b>Environmental Exposure Controls</b>	
	Avoid release to the environment.	

## SECTION 9: Physical and chemical properties

<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
	Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Flash Point: Auto-ignition temperature: Decomposition Temperature: pH: Kinematic Viscosity:  Solubility:  Partition coefficient n-octanol/water (log value): Vapour pressure: Density and/or relative density: Relative vapour density: Particle characteristics:	Liquid. Yellowish. Petroleum. Not available. Not available. Highly flammable liquid and vapour. 1.1-6.7 Vol-% -4°C [Closed cup] Not available. Not available. Not available. Not available. Dynamic viscosity: 400-600 cP @ 20°C Solubility (Water) : Immiscible. Solubility (Other) : Not known. Not available. 98760 mm Hg Relative density: 0.722 Not available. Not applicable.
<b>9.2</b>	<b>Other information</b>	
	Volatile organic compounds:	660 g/l

## SECTION 10: Stability and reactivity

<b>10.1</b>	<b>Reactivity</b>	
	Stable under normal conditions.	
<b>10.2</b>	<b>Chemical stability</b>	
	Stable under normal conditions.	
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	
	No hazardous reactions known if used for its intended purpose.	
<b>10.4</b>	<b>Conditions to avoid</b>	
	Keep away from heat, sources of ignition and direct sunlight.	
<b>10.5</b>	<b>Incompatible materials</b>	
	Not known.	
<b>10.6</b>	<b>Hazardous decomposition products</b>	
	No hazardous decomposition products known.	

## SECTION 11: Toxicological information

<b>11.1</b>	<b>Information on hazard classes as defined in Regulation (EC) No 1272/2008</b>	
	<p>Acute toxicity:</p> <p>Skin corrosion/irritation:</p> <p>Serious eye damage/irritation:</p> <p>Skin sensitisation data:</p> <p>Respiratory skin sensitisation:</p> <p>Germ cell mutagenicity:</p> <p>Carcinogenicity:</p> <p>Reproductive toxicity:</p> <p>STOT - single exposure:</p> <p>STOT - repeated exposure:</p> <p>Aspiration hazard:</p>	<p>Low acute toxicity.</p> <p>Causes skin irritation. No data.</p> <p>Non-irritant.</p> <p>It is not a skin sensitiser.</p> <p>Not classified.</p> <p>There is no evidence of mutagenic potential.</p> <p>No evidence of carcinogenicity.</p> <p>No evidence of reproductive effect.</p> <p>May cause drowsiness or dizziness. No data.</p> <p>None anticipated.</p> <p>May be fatal if swallowed and enters airways. No data.</p>
<b>11.2</b>	<b>Information on other hazards</b>	
	Not known.	


## SECTION 12: Ecological information

<b>12.1</b>	<b>Toxicity</b>	
	Very toxic to aquatic life with long lasting effects.	
	<p>Toxicity - Aquatic invertebrates:</p> <p>Toxicity - Fish:</p> <p>Toxicity - Algae:</p> <p>Toxicity - Sediment Compartment:</p> <p>Toxicity - Terrestrial Compartment:</p>	<p>No data.</p> <p>No data.</p> <p>No data.</p> <p>Not classified.</p> <p>Not classified.</p>
<b>12.2</b>	<b>Persistence and degradability</b>	
	The product is expected to be slowly biodegradable.	
<b>12.3</b>	<b>Bioaccumulative potential</b>	
	The product has no potential for bioaccumulation.	
<b>12.4</b>	<b>Mobility in soil</b>	
	Immiscible with water. The product is predicted to have low mobility in soil.	
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>	
	Not classified as PBT or vPvB.	
<b>12.6</b>	<b>Endocrine disrupting properties</b>	
	Not known.	
<b>12.7</b>	<b>Other adverse effects</b>	
	Not known.	

## SECTION 13: Disposal considerations

<b>13.1</b>	<b>Waste treatment methods</b>
	Dispose of this material and its container as hazardous waste. Dispose of empty containers and wastes safely.
<b>13.2</b>	<b>Additional Information</b>
	Disposal should be in accordance with local, state or national legislation.

**SECTION 14: Transport information**

<b>14.1</b>	<b>UN number or ID number</b>	
	UN No.:	1133
<b>14.2</b>	<b>UN proper shipping name</b>	
	UN proper shipping name:	Adhesives
<b>14.3</b>	<b>Transport hazard class(es)</b>	
	ADR/RID	
	ADR/RID Class:	3
	ADR Classification Code:	F1
	Special Provisions:	640D
	Limited Quantities:	5 L
	Excepted Quantities:	E2
	Emergency Action Code:	•3YE
	Mixed Packing Instructions for Packages:	P001 IBC02 R001
	Special Packing Provisions for Packages:	PP1
	Mixed Packing Instructions for Packages:	MP19
	Packing Instructions for Portable Tanks:	T4
	Special Provisions for Portable Tanks:	TP1 TP8
	Tank Code for Tanks:	LGBF
	Vehicle for Tank Carriage:	FL
	ADR Transport Category:	2
	Tunnel Restriction Code:	D/E
	Special Provisions for Carriage – Operation:	S2 S20
	ADR HIN:	33
	IMDG	
	IMDG Class:	3
	Special Provisions:	640D
	Limited Quantities:	5 L
	Excepted Quantities:	E2
	Mixed Packing Instructions for Packages:	P001 IBC02 R001
	Special Packing Provisions for Packages:	PP1
	Packing Instructions for Portable Tanks:	T4
	Special Provisions for Portable Tanks:	TP1 TP8
	IMDG EMS:	F-E, S-D
	Stowage and Handling:	Category B
	ICAO/IATA	
	IATA Proper Shipping Name:	ADHESIVES
	Excepted Quantities:	E2
	Passenger and Cargo Aircraft Limited Quantities Packing Instructions:	Y341
	Passenger and Cargo Aircraft Limited Quantities Max net Qty:	1L
	Passenger and Cargo Aircraft Packing Instructions:	353
	Passenger and Cargo Aircraft Max net Qty:	5L
	Cargo Aircraft Packing Instructions:	364
	Cargo Aircraft Max net Qty:	60L
	Special Provisions:	A3
	Emergency Response Guidebook (ERG) Code:	3L
	Labels	
	Labels:	3
		
<b>14.4</b>	<b>Packing group</b>	
	Packing group:	II
<b>14.5</b>	<b>Environmental hazards</b>	
	Classified as a Marine Pollutant.	
<b>14.6</b>	<b>Special precautions for user</b>	
	Not known.	
<b>14.7</b>	<b>Maritime transport in bulk according to IMO instruments</b>	
	No information available.	



**SECTION 15: Regulatory information**

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
	<b>European Regulations - Authorisations and/or Restrictions On Use</b>	
	Candidate List of Substances of Very High Concern for Authorisation: REACH: ANNEX XIV list of substances subject to authorisation: REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Community Rolling Action Plan (CoRAP): Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants: Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer: Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals:	Not listed Not listed Heptane (142-82-5) Not listed Not listed Not listed Not listed
	<b>National regulations</b>	
	Other:	Not known
<b>15.2</b>	<b>Chemical safety assessment</b>	
	A REACH chemical safety assessment has not been carried out.	

**SECTION 16: Other information**

The following sections contain revisions or new statements: 1-16

**LEGEND**

Hazard Pictogram(s):	    GHS02      GHS08      GHS07      GHS09
Hazard classification:	Flam. Liq. 2: Flammable liquid, Category 2 Asp. Tox. 1: Aspiration hazard, Category 1 Skin Irrit. 2: Skin corrosion/irritation, Category 2 STOT SE 3: Specific target organ toxicity — single exposure, Category 3 Aquatic Acute 1: Hazardous to the aquatic environment, Acute, Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment, Chronic, Category 1
Hazard Statement(s):	H225: Highly flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.
Precautionary Statement(s):	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use non-sparking tools. P243: Take action to prevent static discharges. P261: Avoid breathing vapours. P264: Wash hands and exposed skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER/doctor if you feel unwell. P331: Do NOT induce vomiting. P332+P313: If skin irritation occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse. P370+P378: In case of fire: Use polar resistant foam, CO2 or dry powder to extinguish. P391: Collect spillage. P403+P235: Store in a well-ventilated place. Keep cool. P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms:	<p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways          ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road          ATE: Acute Toxicity Estimate          CAS: Chemical Abstracts Service          CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures          DNEL: Derived No Effect Level          EC: European Community          IATA: International Air Transport Association          IBC: Intermediate Bulk Container          ICAO: International Civil Aviation Organization          IMDG: International Maritime Dangerous Goods          LTEL: Long term exposure limit          PBT: Persistent, Bioaccumulative and Toxic          PNEC: Predicted No Effect Concentration          REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals          RID: Regulations concerning the International Carriage of Dangerous Goods by Rail          STEL: Short term exposure limit          STOT: Specific Target Organ Toxicity          UN: United Nations          vPvB: very Persistent and very Bioaccumulative</p>
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**Key literature references and sources for data used to compile the SDS**

Regulation (EC) No. 1272/2008 (CLP)

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