



AUTOGEM

SAFETY DATA SHEET

PART No. GEMSEAL

1. IDENTIFICATION OF THE PRODUCT

PRODUCT NAME: GemTec Tyre Sealant – 450ml
PRODUCT CODE: GEMSEAL
SUPPLIER: Autogem Invicta Ltd.
Autogem House
Abbey Road,
Park Royal
London NW10 7GJ
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2 Label elements – Not hazardous.

2.3 Other hazards – No data available.

3. Composition/Information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixture

Hazardous ingredients

No.	Substance name	Classification (EC) 1272/2008 (CLP)	Additional Information
	CAS / EC No.		Concentration %
1	Propane-1,2-diol		
	57-55-6 200-338-0	-	>= 45.00 - <= 60.00

Additional ingredients

No.	Substance name	Classification (EC) 1272/2008 (CLP)	Additional Information
	CAS / EC No.		Concentration %
1	Water		
	7732-18-5 231-791-2	-	>= 25.00 - <= 40.00
2	Rubber, natural		
	9006-04-6 232-689-0	-	>= 5.00 - <=10.00
3	Silicon dioxide		
	7631-86-9 231-545-4	-	<= 1.00
4	Propan-1-ol		
	71-23-8 200-746-9	-	<= 0.90



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4. FIRST AID MEASURES:

4.1 General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Not a likely route of exposure. Remove patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.

After skin contact

Wash exposed areas with soap and warm water. In the unlikely event of irritation, seek medical advice.

After eye contact

Not a likely route of exposure. Remove any contact lenses. Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

After ingestion

Ingestion is expected to cause irritation of the gastrointestinal tract. If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Make victim drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Acute

Ingestion will cause irritation of the gastrointestinal tract. May cause chemical and mechanical eye irritation.

Delayed and chronic effects

Expected to be similar to acute exposures.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIRE FIGHTING MEASURES:

5.1 Extinguishing media

Suitable extinguishing media

Extinguish preferably with dry chemical, foam or water spray.

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Combustion products of this material have to be classed invariably as respiratory poison.

5.3 Advice for firefighters

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Fire fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Wear protective clothing.



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6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust) and send for disposal.

Send in suitable containers for recovery or disposal.

7. HANDLING AND STORAGE:

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). Avoid contact with skin and eyes. Avoid formation of aerosols.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages.

Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well ventilated place. Protect of heat.

Requirements for storage rooms and vessels

Keep only in the original container. Containers which are opened must be carefully closed and kept upright to prevent leakage.

Advice on storage assembly

Do not store together with foodstuffs. Do not store with combustible materials.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

8.1 Control parameters

Occupational exposure limit values

No.	Substance name	CAS No.	EC No.
1	Propane-1,2-diol	57-55-6	200-338-0
List of approved workplace exposure limits (WELs) / EH40			
Propane-1,2-diol			
Total vapour and particulates			
	TWA	474 mg/m ³	150 ppm
List of approved workplace exposure limits (WELs) / EH40			
Propane-1,2-diol			
Particulates			
	TWA	10 mg/m ³	



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8.2 Exposure controls

Appropriate engineering controls – No data available.

Personal protective equipment

Respiratory protection – Usually Not Needed.

Eye / face protection – Safety glasses are suggested as good practice.

Hand protection – Protective gloves are usually not needed; if chosen, nitrile or neoprene are suggested. Latex gloves should not be worn.

Other

Clean contaminated equipment.

Environmental exposure controls

No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties

Form	
Liquid	

Color	
Yellowish white	

Odour	
Slight ammonia-like	

Odour threshold	
No data available.	

pH value	
Value	7-11

Boiling point / boiling range	
Value	103.9°C

Melting point / melting range	
No data available.	

Decomposition point / decomposition range	
No data available.	

Flash point	
Value	97°C

Auto-ignition temperature	
Remarks	Product is not self-igniting

Oxidising properties	
No data available.	



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Explosive properties	
Remarks	Product does not have explosive properties

Flammability (solid, gas)	
No data available.	

Lower flammability or explosive limits	
No data available.	

Upper flammability or explosive limits	
No data available.	

Vapour pressure	
No data available.	

Vapour density	
No data available.	

Evaporation rate	
No data available.	

Relative density	
No data available.	

Density	
Value	1.02 – 1.06 g/cm ³
Reference temperature	20°C

Solubility in water	
Remarks	Soluble

Solubility(ies)	
No data available.	

Partition coefficient: n-octanol/water	
No data available.	

Viscosity	
Value	5-25 mPa*s
Reference temperature	20°C

9.2 Other information

Other information
No data available.

10.

STABILITY AND REACTIVITY:

- 10.1 Reactivity – No data available.
- 10.2 Chemical stability – Stable if stored and handled properly
- 10.3 Possibility of hazardous reactions – No dangerous reactions known.
- 10.4 Conditions to avoid – No dangerous reactions known.
- 10.5 Incompatible materials – None known
- 10.6 Hazardous decomposition products – No dangerous decomposition products known.



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11. TOXICOLOGICAL INFORMATION:

11.1 Information on toxicological effects

Acute oral toxicity
No data available.

Acute dermal toxicity
No data available.

Acute inhalational toxicity
No data available.

Skin corrosion/irritation
No data available.

Serious eye damage/irritation
No data available.

Respiratory or skin sensitisation
No data available.

Germ cell mutagenicity
No data available.

Reproduction toxicity
No data available.

Carcinogenicity
No data available.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

Aspiration hazard
No data available.

Other information
Exercise customary precautions when handling chemicals.

12. ECOLOGICAL INFORMATION:

12.1 Toxicity

Toxicity to fish (acute)
No data available.

Toxicity to fish (chronic)
No data available.

Toxicity to Daphnia (acute)
No data available.

Toxicity to Daphnia (chronic)
No data available.



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Toxicity to algae (acute)

No data available.

Toxicity to algae (chronic)

No data available.

Bacteria toxicity

No data available.

12.2 Persistence and degradability – No data available.

12.3 Bioaccumulative potential – No data available.

12.4 Mobility in soil – No data available.

12.5 Results of PBT and vPvB assessment – No data available.

12.6 Other adverse effects – No data available.

12.7 Other information

Other information

Ecological data are not available.

Do not discharge product unmonitored into the environment.

13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14. TRANSPORT INFORMATION:

14.1 Transport ADR/RID/AND

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAOTI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 – 14.3.

14.6 Special precautions for user

No data available.

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

Not relevant



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15. REGULATORY INFORMATION:

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

15.2 Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

16. OTHER INFORMATION:

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Disclaimer

The above information describes exclusively the safety requirements of the product and is based on our present day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made up material.