



**NATIONAL ADHESIVE DISTRIBUTORS cc**

CK 2000/063562/23 VAT No.: 4370194633

Head Office:  
Phone: (031) 464 0273  
93 Goodwood Road  
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7561

# **MATERIAL SAFETY DATA SHEET**

## **1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY**

**Date:** 30-01-2004  
**Product Name:** Glue Devil PVC Cement  
**Product Codes:** **Glue Devil HP PVC Cement**  
**Supplier:** National Adhesive Distributors  
93 Goodwood Road  
Mahogany Ridge  
Durban, 3608  
**Fax:** 27 31 464 0107  
**Emergency Phone:** 082 903 2746 (Shane)

### **DESCRIPTION**

Glue Devil HP PVC Cement is an unplasticised polyvinyl chloride welding cement. It is intended for joining PVC piping and fittings where the joints will be subject to mains water pressure.

### **APPEARANCE**

Colourless clear liquid with an almost gel-like consistency, having a characteristic odour.

### **TYPICAL PROPERTIES**

Non-volatiles, % m/m	20
Density, g/ml at 20°C	0,98
Viscosity, mPa s at 23°C	22 000 – 28 000

### **PACKAGING**

100ml Tube, 250ml tin and 500ml tin



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**SAFETY, HANDLING AND STORAGE**

The solvents are volatile and flammable. Keep away from sources of ignition such as flame, sparks and smoking. Decant and use only in a well ventilated environment. Avoid skin contact and breathing the vapours.

Store in a dry, well ventilated area, observing flammable liquid storage regulations. Avoid exposure to sunlight and heat, and storage periods in excess of 12 months.

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Family:</b>	Polyvinyl chloride solution		
	CAS NO	TLV	MASS%
<b>Acetone:</b>	67-64-1	750	0-10
<b>Cyclohexanone:</b>	108-94-1	25	30-50
<b>Methyl Ethyl Ketone:</b>	78-93-3	200	0-10
<b>Tetrahydrofuran:</b>	109-99-9	200	30-50

**3. HAZARDS IDENTIFICATIONS**

**Main Hazard:** Extremely flammable.

Inhalation of high concentrations of solvent vapour can lead to dizziness, nausea, and unconsciousness in extreme cases. The product has a degreasing effect on the skin. May form an explosive vapour/air mixture during use.

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. Keep warm and at rest. If necessary apply oxygen or artificial respiration. If unconscious place patient in a stable position on his side and seek medical assistance.

**Eye Contact:** Flush with large quantities of water for 15 minutes. Seek medical assistance if the condition persists.

**Skin Contact:** Remove contaminated clothing. Wash thoroughly with water and soap.

**Oral Ingestion:** Do not induce vomiting. Call medical assistance immediately. Allow patient to rest.

**5. FIRE CONTROL MEASURES**

**Extinguishing Media:** Alcohol Foam; Carbon Dioxide; Dry Chemical

**Unsuitable:** Water jet, except to cool overheated containers.



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**Protective Clothing:** Suitable respirators  
**Special Hazards:** Avoid exposure to decomposition products.

Keep stock cool or remove from danger area to prevent containers from bursting or exploding.

### 6. MEASURES ON ACCIDENTAL RELEASE OF THE SUBSTANCE

Eliminate all sources of ignition, provide ventilation, isolate the spill area, and use absorbent material to mop up the spilled material. Clean-up personnel should wear rubber gloves and respiratory protection.

### 7. HANDLING AND STORAGE

**Handling:** Solvent vapour may form an explosive mixture with air. The vapours are heavier than air and may spread across the floor. Use only in well ventilated areas. Avoid all sources of ignition, naked flames, smoking, incandescent material, sparks and electric motors, switches and equipment that has not been spark-proofed. Avoid inhaling vapours and contact with eyes and skin. Do not eat or smoke during use and wash hands before breaks and before finishing work.

**Storage:** Comply with local regulations for storing flammable liquids. Store in a dry, well ventilated place. Protect from sunlight and avoid temperatures above 50 degrees C. Avoid contact with oxidizing agents and strong acids and bases.

### 8. MEASURES FOR CONTROLLING EXPOSURE/PERSONAL PROTECTION

**Technical Measures:** Use only in well ventilated areas or apply forced ventilation.

#### Personal Protection:

Respiratory Tract: If ventilation is inadequate use a suitable respirator.  
Hands: Avoid skin contact, otherwise wear rubber gloves.  
Eyes: Wear safety goggles if splashing is likely.  
Skin: Wear suitable overalls or protective clothing.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Pale transparent viscous gel
<b>Odour:</b>	Sharp solvent
<b>Solids Content:</b>	18-25%
<b>pH:</b>	Not applicable (non-aqueous)
<b>Boiling Range:</b>	56-156 degrees C
<b>Flash Point:</b>	Degrees C – 17 (TCC)
<b>Autoflammability:</b>	Does not occur
<b>Explosive Properties:</b>	Air and vapour may form explosive mixtures
<b>Flamable limits in air by volume:</b>	
	Upper: 12,8%
	Lower: 1,1%
<b>Oxidising Properties:</b>	Non
<b>Relative Density:</b>	0,96-0,99kg/l
<b>Water Soluble:</b>	40-60% m/m
<b>Solvent Soluble:</b>	100% in tetrahydrofuran
<b>Evaporation Rate:</b>	Faster than butyl acetate to slower than butyl acetate
<b>Vapour Pressure:</b>	246 mbar @ 20deg. C
<b>Vapour Density:</b>	Heavier than air

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Heat, poor ventilation, corrosive atmospheres.
<b>Materials to avoid:</b>	Alkaline materials, strong acids, oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide, hydrogen chloride, possibly phosgene.
<b>Hazardous polymerization:</b>	Will not occur.

### 11. TOXICOLOGICAL DATA

Inhalation of high concentrations of solvent vapour can have a slightly narcotic effect, and irritate the mucous membranes and respiratory organs. Symptoms may include headache, dizziness, fatigue, muscular weakness, drowsiness, or loss of consciousness.



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**12. ECOLOGICAL DATA**

No experimental data exists regarding the product as such.

**13. INSTRUCTIONS FOR REMOVAL**

Eliminate all sources of ignition, provide ventilation, and isolate the spill area. Use absorbent material e.g. sand, saw dust, to mop up spilled material. Collect absorbent material into metal containers and dispose of in accordance with all applicable hazardous waste regulations.

**14. INFORMATION CONCERNING TRANSPORT**

**UN no.:** 1133  
Transport by land ADR/RID (cross border/internal)

**IMDG Shipping Name:** Adhesives  
**IMDG Class:** 3.2  
**IMDG Packing Group:** II  
**IMDG Marine Pollutant:** Yes  
**IMDG EMS No.:** 3 – 05  
**IMDG MFAG table no.:** 330

**15. REGULATORY INFORMATION**

Protect from sunlight and do not expose to temperatures exceeding 50 degrees C. Keep away from sources of ignition. No smoking.

**Indication of danger:**

F - Highly flammable                      Xi – Irritant



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### Risk phrases:

- 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.
- S25 Avoid contact with eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S51 Use only in well-ventilated areas.

## 16. OTHER INFORMATION

### Legal Disclaimer:

The information contained in this data sheet was obtained from a variety of sources and is believed to be accurate and current at the stated issue date. National Adhesive Distributors CC and/ or its agents cannot accept liability for the use of information contained in this data sheet or for the use, application or processing of the product described in the data sheet. Users should note the possibility of hazards occurring due to improper uses if the product.

**REVISED SEPTEMBER 2020**