



**NATIONAL ADHESIVE DISTRIBUTORS CC**

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# MATERIAL SAFETY DATA SHEET

**SECTION 1. SUBSTANCE / PREPARATION AND COMPANY IDENTIFICATION**

**Product Name:** GLUE DEVIL UNIVERSAL TINTERS

**Product Description:** GLUE DEVIL UNIVERSAL TINTERS are a range of tinctorially controlled pigment preparations supplied as easily pourable pastes that are readily dispersible in aqueous and non- aqueous decorative media to produce stable coloured paints.

**Use Description:** These Universal Tinters are mainly intended for use in decorative paint systems, and are designed for use in dispensing machines. They can be used in combination with transparent oxides for wood coatings or in combination with effects pigments.

**Pack Sizes:** 50ml and 100ml bottles.

**Supplier:** National Adhesive Distributors cc  
93 Goodwood Road  
Mahogany Ridge  
Westmead  
Durban

**Emergency Phone:** +27 31 4640273

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**SECTION 2. COMPOSITION AND INFORMATION OF INGREDIENTS**

Substance	CAS Number	EINICS no.	Wt%	Symbol	Phrases
Pigment	All Colours	-	5.5%	None	None
Ethylene Glycol	107-21-1	203-473-3	10 – 20%		R22
Surfactant Blend	Proprietary	Proprietary	Proprietary	None	None

This product is not considered to be a Hazardous substance as defined under Hazard Communication Standard.

**SECTION 3. HAZARD IDENTIFICATION**

**Risk-phrases and Safety-phrases:** R22 – The component ethylene glycol is harmful if swallowed. May be irritating to eyes.

**SECTION 4. FIRST AID MEASURES**

**Skin Contact:** May cause irritation. Wipe off and wash thoroughly with soap and water. Remove contaminated clothing and clean before reuse. Seek medical attention if required.

**Eye Contact:** May cause irritation. Flush thoroughly with water (remove contact lenses after 1-2 minutes and continue) for 15 minutes. Remove contaminated clothing and clean before reuse. Seek medical attention if required.

**Inhalation:** May cause irritation to respiratory tract. Remove to fresh air. Get medical attention if breathing becomes difficult.

**Ingestion:** Give 1 to 2 glasses of water. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

**SECTION 5. FIRE FIGHTING MEASURES**

This is a non-flammable pigment product.

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>), foam, dry powder or water.



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**Special protective equipment for fire-fighters:** Wear suitable protective clothing as required such as NIOSH approved respirators according to NIOSH Publication No. 2005-100.

**Further information:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** No particular measures required.

**Environmental precautions:** Do not flush into surface water or into sanitary sewer systems.

**Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of absorbent material in accordance with the regulations.

**SECTION 7. HANDLING AND STORAGE**

**Storage**

Store containers in a moderately cool, dry and well-ventilated area away from direct sources of heat and frost. Empty containers may contain product residue and should be allowed to air-dry before disposal according to local regulations. Position containers so that any labelling information is visible.

**Handling**

No particular safety handling measures are required. No special protective measures against fire and explosion are required. Handle in accordance to good industrial hygiene and safety practice. Empty containers may contain product residue and should be allowed to air-dry before disposal according to local regulations.

**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

No personal respiratory protective equipment is normally required.

Safety glasses and hand protection are recommended. No special protective equipment is required for skin and body protection. Handle in accordance to good industrial hygiene and safety practice. Keep away from food, drink and animal feeds.



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Occupational Exposure Limits (OEL) for:	
Source	1. Ethylene glycol
ACGIH (TWA)	100 mg/m <sup>3</sup>
ACGIH (STEL)	N/A
OSHA Z1 (PEL)	N/A
OSHA Z1A (TWA)	100 mg/m <sup>3</sup>
OSHA Z1 (STEL)	N/A
EEC Classification (1999/45/EC)	None

The time weighed average (8h TWA) value described herein is a threshold limit value (TLV) as established by ACGIH for the separate component used.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Preparation Properties**

- Appearance: Free Flow Liquid
- Colour: All Colours
- Melting Point: Undetermined
- Specific Gravity: 1.50 – 1.60 g/cm<sup>3</sup> @ 25 °C ± 1 °C
- Solubility: Semi Soluble
- Boiling Point: > 100°C

Other properties of component:	
Property	1. Ethylene glycol
Boiling Point (°C)	>197 °C
Flash Point (°C)	116 °C
Explosion limit (LFL/UFL)	3.3% - 15.3%
Auto-ignition temperature	400 °C

**SECTION 10. STABILITY AND REACTIVITY**

**Conditions to avoid:** This product is stable and no specific hazards are known.



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**Hazardous decomposition products:** No data available.

**Thermal decomposition:** No data available.

**SECTION 11. TOXICOLOGICAL INFORMATION**

The following toxicological information applies to the separate components used.

**Acute oral toxicity:** Oral toxicity is expected to be moderate.

**Acute dermal toxicity:** Prolonged skin contact is unlikely to result in absorption of harmful amounts.

**Acute inhalation toxicity:** At room temperature exposure to vapour is minimal.

**Skin irritation:** Brief contact is non-irritating to skin; prolonged contact may cause irritation and redness.

**Eye irritation:** May cause slight irritation to eyes.

**Respiratory irritation:** With good ventilation, single exposure is not likely to cause adverse effects to the respiratory system.

Component Information	
Property	1. Ethylene glycol
Acute Oral (LD <sub>50</sub> )	6 000 mg/kg
Acute Dermal (LD <sub>50</sub> )	> 22 270 mg/kg
Acute Inhalation (LC <sub>50</sub> )	> 3.95 mg/L

**Developmental effects:** In animal studies, ingestion of very large amounts of ethylene glycol appeared to produce birth defects.

**Carcinogenicity:** Did not cause cancer in long-term studies.

**Mutagenicity:** Not mutagenic.

**SECTION 12. ECOLOGICAL INFORMATION**

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**Acute toxicity and aquatic toxicity**

Property	1. Ethylene glycol
Fish	Not classified dangerous: LC <sub>50</sub> = 18 000 – 46 000 mg/L
Aquatic invertebrates	Not classified dangerous: EC <sub>50</sub> = 46300 - 51100 mg/L
Algae	Not classified dangerous: IC <sub>50</sub> = 9500 – 13 000 mg/L
Degradability	Readily biodegradable. (>90% after 28 days)

Does not contain heavy metals.

Does not contain halogenated compounds, or PCB.

**Mobility:** Potential for mobility in soil and sediments very high. K<sub>oc</sub> = 0 – 50**Bioaccumulation:** Low. Log P<sub>ow</sub> = -1.36**SECTION 13. DISPOSAL CONSIDERATIONS****Product****Recommendation:** Dispose of in accordance to the local and national laws and regulations. If no local, state or national regulations are available, the USA EPA or relevant EU Directives may be used as a guideline.**Unclean Packaging****Recommendation:** Empty containers may contain product residue and should be disposed of according to local and national laws and regulations.**Recommendation:** Dispose of in accordance to the local and national laws and regulations. If no local, state or national regulations are available, the USA EPA or relevant EU Directives may be used as a guideline.**Recommended cleaning agents:** Water, if necessary together with soap or cleansing agents.**SECTION 14. TRANSPORTATION CONSIDERATIONS**

Not classified as hazardous or dangerous for transport according to transport regulations.

**SECTION 15. REGULATORY INFORMATION**

Classification according EU Directive 67/548/EEC for the component of ethylene glycol:

**Hazard Symbols:** Xn – Harmful**Risk Phrases:** R22 – Harmful if swallowed



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**Safety Phrases:** None

**Chemical name:** Ethylene glycol (EC Label, EC Number: 203-473-3)

**SECTION 16. OTHER INFORMATION**

Disclaimer of Liability: The information provided in this 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 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. For further information contact the manufacturer.

**REVISED MAY 2019**