



NATIONAL ADHESIVE DISTRIBUTORS

CK 2000/063562/23 VAT No.: 4370194633

Head Office:
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93 Goodwood Road
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Phone: (+1) 571 340 4478
8280 Willow Oaks
Corporate Drive
Suite 600
Fairfax, VA, 22031

MATERIAL SAFETY DATA SHEET

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

1.1. Product identifier

Product form : Mixture
Product name : GLUEDEVIL GLUE GENIUS ACTIVATOR
Type of product : Activator
Vaporizer : Aerosol

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Activator for cyanoacrylate adhesives.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

National Adhesive Distributors

93 Goodwood Road

Mahogany Ridge

Durban, South Africa

T +27 31 464 0273

F +27 31 464 0107

sales@gluedevil.co.za

1.4. Emergency telephone number

Emergency number : +27 31 464 0273

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]



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- Aerosol, Category 1 H222;H229
- Skin corrosion/irritation, Category 2 H315
- Reproductive toxicity, Category 2 H361
- Specific target organ toxicity —
Single exposure, Category 3, H336
Narcosis
- Specific target organ toxicity —
Repeated exposure, Category 2 H373
- Hazardous to the aquatic
environment — Chronic Hazard, H411
Category 2

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02 GHS07 GHS08 GHS09

Signal word (CLP)

: **Danger**

Hazardous ingredients

: *Naphtha (petroleum), hydro treated light**



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Hazard statements (CLP)

- : H222 - Extremely flammable aerosol.
- H229 - Pressurised container: May burst if heated.
- H315 - Causes skin irritation.
- H336 - May cause drowsiness or dizziness.
- H361 - Suspected of damaging fertility or the unborn child.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

- : P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Do not pierce or burn, even after use.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
LPG	(CAS-No.) 68476-85-7 (EC-No.) 270-704-2	< 60	Flam. Gas 1, H220 Press. Gas (Comp.), H280



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Naphtha (petroleum), hydro treated light*	(CAS-No.) 64742-49-0 (EC-No.) 265-151-9	< 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
N,N-dimethyl-p-toluidine (Note C)	(CAS-No.) 99-97-8 (EC-No.) 202-805-4 (EC Index-No.) 612-056-00-9	< 1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation: vapour), H330 STOT RE 2, H373 Aquatic Chronic 3, H412

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison centre or a doctor if you feel unwell. Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison centre or a doctor if you feel unwell.

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



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Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Irritation.

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

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurised container: May burst if heated.

Hazardous decomposition products in: Toxic fumes may be released. Case of fire

5.3. Advice for fire-fighters

Protection during fire fighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions *Avoid release to the environment.*

6.3. Methods and material for containment and cleaning up



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- For containment* : *Collect spillage.*
- Methods for cleaning up* : *Mechanically recover the product. Notify authorities if product enters sewers or public waters.*
- Other information* : *Dispose of materials or solid residues at an authorized site.*

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling* : *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.*
- Hygiene measures* : *Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.*

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls



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Appropriate engineering controls: Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : *Liquid*

Appearance : *Liquid under pressure.*

Colour : *Colourless.*

Odour : *Hydrocarbon.*

Odour threshold : *No data available*

pH : *No data available*

Relative evaporation rate (butylacetate=1) : *No data available*



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- Melting point : *Not applicable*
- Freezing point : *No data available*
- Boiling point : *No data available*
- Flash point : *No data available*
- Auto-ignition temperature : *No data available*
- Decomposition temperature : *No data available*
- Flammability (solid, gas) : *Extremely flammable aerosol.*
- Vapour pressure : *No data available*
- Relative vapour density at 20 °C : *No data available*
- Relative density : *No data available*
- Solubility : *No data available*
- Log Pow : *No data available*
- Viscosity, kinematic : *No data available*
- Viscosity, dynamic : *No data available*
- Explosive properties : *Pressurised container: May burst if heated.*
- Oxidising properties : *No data available*
- Explosive limits : *No data available*

9.2. Other information

No additional information available



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SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified.

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified



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- Reproductive toxicity* : *Suspected of damaging fertility or the unborn child.*
- STOT-single exposure* : *May cause drowsiness or dizziness.*
- STOT-repeated exposure* : *May cause damage to organs through prolonged or repeated exposure.*
- Aspiration hazard* : *Not classified*

GlueDevil Glue Genius Activator	
<i>Vaporizer</i>	<i>Aerosol</i>

SECTION 12: Ecological information

12.1. Toxicity

- Ecology - general* : *Toxic to aquatic life with long lasting effects. Before neutralisation, the product may represent a danger to aquatic organisms.*
- Acute aquatic toxicity* : *Not classified*
- Chronic aquatic toxicity* : *Toxic to aquatic life with long lasting effects.*

12.2. Persistence and degradability

No additional information available

12.3. Bio accumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment *No additional information available*

12.6. Other adverse effects

No additional information available



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : *Dispose of contents/container in accordance with licensed collector's sorting instructions.*

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

- UN-No. (ADR)* : *1950*
- UN-No. (IMDG)* : *1950*
- UN-No. (IATA)* : *1950*
- UN-No. (ADN)* : *1950*
- UN-No. (RID)* : *1950*

14.2. UN proper shipping name

- Proper Shipping Name (ADR)* : *AEROSOLS*
- Proper Shipping Name (IMDG)* : *AEROSOLS*
- Proper Shipping Name (IATA)* : *Aerosols, flammable*
- Proper Shipping Name (ADN)* : *AEROSOLS*
- Proper Shipping Name (RID)* : *AEROSOLS*
- Transport document description (ADR)* : *UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS*

Transport document description (IMDG): UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS



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Transport document description (RID) : UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 2.1

Danger labels (ADR) : 2.1

:



IMDG

Transport hazard class(es) (IMDG) : 2.1

Danger labels (IMDG) : 2.1

:



IATA

Transport hazard class(es) (IATA) : 2.1

Hazard labels (IATA) : 2.1

:



ADN

Transport hazard class(es) (ADN) : 2.1

Danger labels (ADN) : 2.1



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RID

Transport hazard class(es) (RID) : 2.1

Danger labels (RID) : 2.1



- 14.4. Packing group : Not applicable
- Packing group (ADR) : Not applicable
- Packing group (IMDG) : Not applicable
- Packing group (IATA) : Not applicable
- Packing group (ADN) : Not applicable
- Packing group (RID) : Not applicable

- 14.5. Environmental hazards : Yes
- Dangerous for the environment : Yes
- Marine pollutant : No supplementary information available
- Other information : No supplementary information available

- 14.6. Special precautions for user
- **Overland transport**
- Classification code (ADR) : 5F
- Special provisions (ADR) : 190, 327, 344, 625
- Limited quantities (ADR) : 1I
- Excepted quantities (ADR) : E0
- Packing instructions (ADR) : P207
- Special packing provisions (ADR) : PP87, RR6, L2
- Mixed packing provisions (ADR) : MP9



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- Transport category (ADR) : 2
- Special provisions for carriage - Packages (ADR) : V14
- Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12
- Special provisions for carriage - Operation (ADR) : S2
- Tunnel restriction code (ADR) : D
- Transport by sea**
- Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959
- Packing instructions (IMDG) : P207, LP200
- Special packing provisions (IMDG) : PP87, L2
- EmS-No. (Fire) : F-D
- EmS-No. (Spillage) : S-U
- Stowage category (IMDG) : None
- Stowage and handling (IMDG) : SW1, SW22
- Segregation (IMDG) : SG69
- Air transport**
- PCA Excepted quantities (IATA) : E0
- PCA Limited quantities (IATA) : Y203
- PCA limited quantity max net quantity: 30kgG (IATA)
- PCA packing instructions (IATA) : 203
- PCA max net quantity (IATA) : 75kg
- CAO packing instructions (IATA) : 203
- CAO max net quantity (IATA) : 150kg
- Special provisions (IATA) : A145, A167, A802
- ERG code (IATA) : 10L
- Inland waterway transport**
- Classification code (ADN) : 5F
- Special provisions (ADN) : 190, 327, 344, 625



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Limited quantities (ADN) : 1 L
 Excepted quantities (ADN) : E0
 Equipment required (ADN) : PP, EX, A
 Ventilation (ADN) : VE01, VE04
 Number of blue cones/lights (ADN) : 1

- Rail transport

Special provisions (RID) : 190, 327, 344, 625
 Limited quantities (RID) : 1L
 Excepted quantities (RID) : E0
 Packing instructions (RID) : P207, LP200
 Special packing provisions (RID) : PP87, RR6, L2
 Mixed packing provisions (RID) : MP9
 Transport category (RID) : 2
 Special provisions for carriage – Packages (RID) : W14
 Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12
 Colis express (express parcels) (RID) : CE2
 Hazard identification number (RID) : 23

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code *Not applicable*

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

<p>3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008</p>	<p>N,N-dimethyl-p-toluidine</p>
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<p>3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F</p>	<p>GlueDevil Glue Genius Activator-Naphtha (petroleum), hydro treated light*</p>
<p>3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10</p>	<p>GlueDevil Glue Genius Activator - N,Ndimethyl-p-toluidine - Naphtha (petroleum), hydro treated light*</p>
<p>3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1</p>	<p>GlueDevil Glue Genius Activator - N,Ndimethyl-p-toluidine - Naphtha (petroleum), hydro treated light*</p>
<p>40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.</p>	<p>Naphtha (petroleum), hydro treated light*</p>

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
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ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Classification according to Regulation (EC) No. 1272/2008 [CLP].

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation: vapour)	Acute toxicity (inhalation: vapour) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2



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STOT RE 2	<i>Specific target organ toxicity — Repeated exposure, Category 2</i>
STOT SE 3	<i>Specific target organ toxicity — Single exposure, Category 3, Narcosis</i>
H220	<i>Extremely flammable gas.</i>
H222	<i>Extremely flammable aerosol.</i>
H225	<i>Highly flammable liquid and vapour.</i>
H229	<i>Pressurised container: May burst if heated.</i>
H280	<i>Contains gas under pressure; may explode if heated.</i>
H301	<i>Toxic if swallowed.</i>
H304	<i>May be fatal if swallowed and enters airways.</i>
H311	<i>Toxic in contact with skin.</i>
H315	<i>Causes skin irritation.</i>
H330	<i>Fatal if inhaled.</i>
H336	<i>May cause drowsiness or dizziness.</i>
H361	<i>Suspected of damaging fertility or the unborn child.</i>
H361f	<i>Suspected of damaging fertility.</i>
H373	<i>May cause damage to organs through prolonged or repeated exposure.</i>
H411	<i>Toxic to aquatic life with long lasting effects.</i>

H412	<i>Harmful to aquatic life with long lasting effects.</i>
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