



**NATIONAL ADHESIVE DISTRIBUTORS**

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# MATERIAL SAFETY DATA SHEET

## SECTION 1. PRODUCT INFORMATION

**Product name:** **GlueDevil Fixer Polyester Based Chemical Anchor-Component A**  
GlueDevil Fixer Hardener-Component B

**Use of the substance/preparation:** Chemical fixing.

## SECTION 2. HAZARD IDENTIFICATION

Classification (67/548/EEC,1999/45/EC):



E: Explosive

Xn: Harmful

- R2: Risk of explosion by shock, friction, fire or other sources of ignition
- R20: Harmful by inhalation
- R36/38: Irritating to eyes and skin
- R43: May cause sensitisation by skin contact
- Physic-chemical hazards: Risk of explosion by shock, friction, fire or other sources of ignition
- Health hazards: Harmful by inhalation.  
Irritating to eyes and skin.  
May cause sensitisation by skin contact
- Environmental Hazards: It is not expected to be hazardous to the environment.



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**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Component A:**

Hazardous Component	CAS Number	EINECS/ELINCS Number	Classification of Substance		Conc. (%w/w)	Classification in mixture
			Hazard Symbol	R phrases (*)		
Styrene	100-42-5	202-851-5	Xn	R10, Xn; R20 Xi; R36/38	15-20	Xn; R20-36/38

\*R descriptions are given in Section 16.

**Component B:**

Hazardous Component	CAS Number	EINECS/ELINCS Number	Classification of Substance		Conc. (%w/w)	Classification in mixture
			Hazard Symbol	R phrases (*)		
Benzoyl peroxide	94-36-0	202-327-6	E, Xi	R2, R36, R43	15	E; R2, Xi; R43

\* For R phrases in full: see heading 16

**SECTION 4. FIRST AID MEASURES**

**In case of eye contact:** Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Seek medical advice.

**In case of skin contact:** Wipe off. Wash affected areas with soap and plenty of water. If irritation persists, seek medical advice.

**If swallowed:** Do not induce the patient to vomit. Rinse mouth. Seek medical advice.

**If inhaled:** Take the person into the fresh air. Seek medical advice.



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**SECTION 5. FIRE FIGHTING MEASURES**

- Special protective equipment/procedures:** A self –contained respirator and protective clothing should be worn. Mask and chemical resistant personal protective equipment should be used. Determine the need to evacuate or isolate the area according to your local emergency plan.
- Hazards during fire-fighting:** None known.
- Suitable extinguishing media:** CO2 or extinguishing powder. In the case of more important fires, also alcohol resistant foam and water spray. Do not use for extinguishing, direct water jet.
- Unsuitable extinguishing media:** None known.
- Hazards combustion products:** Fire may be produced hazardous decomposition products such as; carbon monoxide, carbon dioxide, irritate and poisonous vapour and gases. Don't breathe of vapours.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Spill / Leak:** Avoid contact with.  
Ventilate the area with fresh air.  
Stop the leak if there is no risk.  
Avoid contact with heat sources.
- Personal precautions:** Use personal protective equipment (protective gloves, work clothes and glasses).  
Provide adequate ventilation.  
Keep away from sources of ignition.  
Smoking is prohibited.
- Methods for cleaning up:** Absorb with an inert material and put an appropriate waste disposal container.  
Ventilate the area with fresh air.
- Environment related measures:** Collect the resulting residue containing solution.  
Place in a closed container approved for transportation by appropriate authorities.  
Dispose of collected material as soon as possible.  
Prevent the spilled material to leak and contact with garbage, canals and sewage.



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If the product has caused environmental pollution (sewers, waterways, soil or air), inform the relevant authorities.

### SECTION 7. HANDLING AND STORAGE

**Usage:** Avoid contact with eyes and skin.  
Wear appropriate personal protective equipment.  
Avoid breathing of vapors.  
While using this product do not eat, drink or smoke.  
Ensure good ventilation.  
Keep in original container, tightly close the container used.  
Do not burn the product container.

**Storage:** Store in accordance with local regulations.  
Store away from oxidising agents, from strongly alkaline and strongly acid materials.  
This product should be stored isolated from heat and electrical sources.  
Store out of direct sunlight.  
Keep container tightly closed.  
Store in a cool, dry place.  
Store <25°C.

### SECTION 8. PERSONAL PROTECTION / EXPOSURE CONTROLS

**Engineering Controls:** Use general dilution ventilation and/or local exhaust ventilation.  
If ventilation is not adequate, use respiratory protection equipment.

#### Personal Protection Equipment

**Eyes:** Avoid eye contact. Safety goggles should be worn.

**Skin:** PVC gloves should be worn.

**Respiratory:** Avoid breathing of vapors.  
Respiratory protection should be used.  
In case of long-term interactions, fresh air mask should be used.

**Hygiene Measures:** Avoid contact with eyes.  
Especially in confined places, make sure you have proper ventilation.  
Follow good industrial hygiene and safety practice.  
Especially before eating, drinking or smoking, wash hands.  
While using the product, do not drink, eat or smoke.



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Environmental exposure controls: Refer to section 6 and 12.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Component A**

**Appearance:** Thixotropic putty  
**Odour:** Characteristic  
**Colour:** Green

**Important Health, Safety and Environmental Information:**

**Specific Gravity:** 1,62 ± 0,03 gr/cm<sup>3</sup>

**Flash Point:** 32°C

**Boiling Point:** 146°C

**Water Solubility:** insoluble

The above information is not intended for use in preparing product specifications.

**Component B**

**Appearance:** Paste  
**Odour:** Characteristic  
**Colour:** Grey or black

**Important Health, Safety and Environmental Information:**

**Specific Gravity:** 1,52 ± 0,03 gr/cm<sup>3</sup>

**Flash Point:** 50°C

**Melting Point:** -10°C

**Auto Ignition Point:** > 380 °C

**Water Solubility:** insoluble

The above information is not intended for use in preparing product specifications.

**SECTION 10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal usage conditions.



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**Materials to avoid:** Reducing agents, oxidizing agents, acids, amines, metals, heavy-metal compounds, peroxides.

**Hazardous Reaction:** As a consequence of thermal decomposition, hazardous decomposition products.

### SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicity:** Acute toxicity following inhibition at 1000 ppm involves the central nervous system with headache and dizziness, back of coordination, irritation of mucous membranes of the eyes and respiratory airways occurs at 500 pp concentrations. Chronic exposure produces depression of the central and peripheral nervous system with loss of memory, headache and somnolence starting at 20 ppm; digestive disorders with nausea and loss of appetite; irritation of the respiratory airways with chronic bronchitis and dermatosis.

**In case of eye contact:** May cause eye irritation.

**In case of skin contact:** Repeated contact can cause allergic reactions.

**In case of ingestion:** May cause mouth, throat and stomach irritation.

**Other Information:** Fully cured chemical anchor (at least 24 hours) is not toxic or irritating.

### SECTION 12. ECOLOGICAL INFORMATION

**General:** Styrene is biodegradable.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Product Disposal:** Dispose of in accordance with local regulations.

**Packing Disposal:** Dispose of in accordance with local regulations.

### SECTION 14. TRANSPORT INFORMATION

#### Road /Rail (ADR/RID):

**ADR/RID Class:** 3

**UN Number:** UN 3269

**Packaging group:** III

**Transport Name:** UN No. 3269 Polyester Resin Kit, 3, III, ADR

#### Sea Transport (IMDG):



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**IMDG Class:** 3

**UN Number:** UN 3269

**Packaging group:** III

**Transport Name:** UN No. 3269 Polyester Resin Kit, 3, III, ADR

**Marine pollutant:** NO

**Air Transport (IATA):**

**IATA-DGR Class:** 3

**UN Number:** UN 3269

**Packaging group:** III

**Transport Name:** UN No. 3269 Polyester Resin Kit, 3, III, ADR

**SECTION 15. REGULATORY INFORMATION**

**Labelling:**



E: Explosive

Xn: Harmful

**R2:** Risk of explosion by shock, friction, fire or other sources of ignition

**R20:** Harmful by inhalation

**R36/38:** Irritating to eyes and skin

**R43:** May cause sensitisation by skin contact

**Contains:**

- Styrene



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- Benzoyl peroxide

**R-Phrases:**

- R2:** Risk of explosion by shock, friction, fire or other sources of ignition
- R20:** Harmful by inhalation
- R36/38:** Irritating to eyes and skin
- R43:** May cause sensitisation by skin contact

**S- Phrases:**

- S2:** Keep out of the reach of children
- S3/7:** Keep container tightly closed in a cool place
- S14:** Keep away from oxidising agents, from strongly alkaline and strongly acid materials.
- S23:** Do not breathe gas/fumes/vapour/spray
- S36/37/39:** Wear suitable protective clothing, gloves and eye/face protection

National Legislation/Regulations:

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**SECTION 16. OTHER**

Information Sources:

This MSDS is prepared based on the information received from the suppliers.

**Issued By:**

Selvin ÜNLÜ

Certificated from the Turkish Standards Institute (TSE) to prepare Safety Data Sheets

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Full text of R-phrases referred to under sections 2 and 3





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- R2:** Risk of explosion by shock, friction, fire or other sources of ignition
- R20:** Harmful by inhalation
- R36/38:** Irritating to eyes and skin
- R43:** May cause sensitisation by skin contact

### Additional Information:

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 a 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.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local supplier a MSDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary –even for the same product – between different countries, reflecting the different compliance requirements.

**REVISED MAY 2019**