

THE EXPERT MULCH GLUE

MAX LOCKING TECHNOLOGY



Strong Adhesion



Pet&Plant Friendly



Fast-Dry



Durable



Eco-Friendly



Ready to Use

T_{EE}PERT

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WARNING

WARNING:

May causes skin irritation and serious eye irritation. May causes an allergic skin reaction. Wear proper gloves, avoid direct contact with skin and eyes.

DANGER: Operate in a well-ventilated environment, please always wear appropriate safety gear such as safety goggles, respirators and disposable gloves. **DO NOT SWALLOW. AVOID DIRECT CONTACT WITH SKIN AND EYES.**



**KEEP AWAY FROM CHILDREN.
KEEP OUT OF REACH OF CHILDREN.**

FIRST AID: If in contact with the skin, wash immediately with soap and rinse for several minutes. If in contact with eyes, rinse with water for several minutes. If accidentally swallowed, rinse immediately and spit it out, and call a doctor. If you fee any discomfort, please seek medical advice in time, For more health information, you can contact poison control center for free. CALL: 1-800-222-1222

Storage: Keep the bottles sealed after use. Dispose of contents in accordance with local/regional/national and international regulations.

Manufacturer: Teexpert

Address: Room 44A, Building 1A, Xiangshanmeishuguoling, Nanshan District, Shenzhen, Guangdong, China 518052

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Customer Service: If you have any problems or concerns, please contact us via the following email. We'll provide you with a good shopping experience.

Email: support@teexpert-resin.com

SECTION 1: Instructions for Mulch Glue

1.Mulch Glue Information:

Ingredients Component:

Component	CAS No.	In % By Weight
Acrylate Copolymer	25133-97-5	49%
Water	7732-18-5	51%

Appearance and Properties: Viscous Milky White Liquids

Odor: Resinous odor (After it has dried completely, the smell dissipates.)

Color: Light Blue (Transparent when completely dry)

Viscosity: 4000-8000 mpa.s

Flash Point temperature: Non-combustible

Stability: Stability at room temperature 5-35°C

Storage Notes: Keep the container completely sealed, storage temperature: 10-35°C / 50-95°F. Use within 6 months after opening. Keep it away from light to maintain its physical and chemical properties for quality assurance. High temperatures will shorten the validity period, while temperatures below 10°C / 14°F may cause crystallization.

2. Necessary Preparations:

Preparations: Wear appropriate protective clothing, gloves, and safety glasses.

Ventilation: Provide normal ventilation and exhaust devices.

Eye protection: Wear protective goggles. If splashing is possible, wear a mask that covers the whole face.

Gloves: The following protective materials are recommended: rubber,

polyvinyl chloride, and composite polyethylene.

Others: Wear appropriate work clothes to avoid skin contamination.

Operating Notes: Pay attention to prevent leakage and avoid contact with skin and eyes. Keep the air clear and equipped with an eye washer in the workplace.

3. Application Conditions:

①In Good Weather Conditions:

Mulch glue continues to gain strength for 48 hours, so it's crucial to let it dry in good weather conditions: temperatures above 68°F / 20°C and humidity below 70%. Since it's water-based, rain can dilute the glue, weakening the bond strength.



②Clean & Dry Base:

Old stones may be dirty and contain debris, while new stones can have silt deposits from the quarry. Before applying mulch glue, ensure the base material is dry, clean, and free from moisture, mud, oil, or dust. Contaminants can impede the bond between the stones.

③Shake Before Use:

Before use, please shake the liquid to ensure its uniformity and prevent blockage of the nozzle.



④Suitable Base:

Mulch glue should be applied on a surface with good drainage. Since mulch glue is water-based, prolonged submersion in water (2 days or more) will cause it to break down.

Stones saturated with water are vulnerable to a freeze-thaw effect, which can break down their bonds. Therefore, a free-draining and compacted stone base is crucial, providing strength and stability while allowing water to flow through.



4. Instructions for Use:



①How to Use:

Dilute use: Pour/Spray. Before pouring/spraying, dilute with at least 10%-50% water.

Direct use: Mix Application. Mix directly with dry, clean stones and no dilution required.

It is recommended to use a spray-on method for more even and extensive coverage.

②Coverage:

1 litre per 35 sq.ft. for spraying/pouring (Adjusted by mulches & layers), with the option of applying 2-3 thin coats for added strength after allowing the each coat to fully dry for 24 hours.

1 litre per 10KG stones for mix application(Adjusted by stone size), with mixing clean and dry stones and coat evenly.





③Time Limit:

Teexpert Mulch Glue typically remains effective for 1 year. It's recommended to reapply after the winter season for added reinforcement.

5. Application Methods:

①Pour on:

Dilute with 10%-50% water and shake well. Apply using a watering can with multiple holes to evenly disperse the mulch glue liquid over the stones. 1 liter per 35 sq.ft. (Adjusted by mulches & layers), ensuring that your stones are evenly coated. Clean the can with flow water promptly after use to prevent nozzle from clogging.



②Spray on:

Dilute with 10%-50% water and shake well. Apply using an Electric Pump Sprayer for spraying. Non-electric pumps are more prone to clogging during spraying. 1 liter per 35 sq.ft. (Adjusted by mulches & layers)It is recommended to apply 2 or 3 thin coats of mulch glue for the strongest finish for spraying/pouring, allowing each coat to dry for 24 hours before applying the next. Don't over-saturation! Clean the sprayer with flow water promptly after use to prevent nozzle

from clogging.



③Mix Application:

Mix with dry and clean stones directly and no dilution required. 1 litre per 10KG stones(Adjusted by stone size). Applying using a drill, paddle or gauging trowel. The mix application method is generally stronger than other methods as it ensures each stone is evenly coated with mulch glue, which can also be neater since there's less risk of splashes on the surrounding areas.



6. Commonly Problems You May Encounter:

①Mulch Glue does not working well:

First, apply the mulch glue in warm (above 68°F) and dry (humidity below 70%) weather conditions for a continuous period of 3 days, avoiding its use in rainy or high humidity conditions.

Second, ensure that the base material is dry, clean, and devoid of moisture, mud, oil, or dust.

Finally, apply 2 or 3 thin coats of mulch glue for the strongest finish, allowing the first coat to dry for 24 hours before applying the next.

②Prevent the mulch glue from clogging sprayer/can:

- 1.For pouring and spraying, dilute the glue with 10%-50% water and shake well. During use, please spray/pour continuously, or intermittently for no more than 5 minutes at a time, to avoid nozzle blockage.
- 2.Apply using a Watering Can with Multiple Holes for pouring and an Electric Pump Sprayer for spraying. Consider using a disposable watering can to avoid issues. Non-electric pumps can clog more easily during spraying.
- 3.Clean the can or sprayer promptly after use to prevent nozzle clogging.
- 4.If the ambient temperature exceeds 77°F during application, glue drying may accelerate. Dilute with approximately 10% more water is recommended to prevent nozzle blockage.

③White/blue residue after drying:

Our mulch glue initially appears light blue when sprayed due to light reflection, but it becomes clear after drying. Also, applying the glue too thickly at once may cause improper curing, leading to an opaque color and white/blue residue. We recommend applying multiple thin coats instead. More, extended exposure to standing water from rainfall can also lead to the formation of white residue. Applying the glue in warm, dry weather may resolve it.

④Notes for high-traffic areas:

For larger high-traffic areas like gravel or sidewalks, thoroughly mix the mulch glue with the objects before application. Avoid spraying the mulch glue, as it may result in uneven or insufficient bonding. Spraying is more suitable for non-traffic decorative areas.

SECTION 2: Description of Necessary First Aid Measures

1. Eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

2. Inhalation:

Remove the victim to fresh air and keep at rest in a position comfortable

for breathing. Get medical attention if symptoms occur persist or are severe. The exposed person may need to be kept under medical surveillance for 48 hours.

3. Skin contact:

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

4. Ingestion:

Wash out mouth with water. Remove dentures if any. Remove the victim to fresh air and keep them at rest in a position comfortable for breathing. If the material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

5. Hazard Characteristics: Not classified as flammable.

6. Harmful Combustion Products: The same general combustion products.

7. Fire Extinguishing Methods & Fire Extinguishing Agents: General fire extinguishing agents and methods are used. Fire extinguishing protection device: suitable breathing protection device including mask and air supply, avoiding skin contact, inhaling dust and steam.

8. Waste Nature: Common Industrial Waste Disposal Methods: Qualified recyclers should refer to relevant national and local regulations before disposal and deal with them in accordance with local laws and regulations.

9. Attention:

Before disposal, relevant national and local regulations should be

consulted, and environmental pollution should be avoided during disposal.

SECTION 3: Frequently Asked Questions

1. Will it darken the stones / give them a wet look?

Mulch glue dries clear (light blue before use) and will not alter or add color to your stones. However, it will enhance the natural color of the stones.

2. Will mulch glue work on rubber mulch?

Yes, we do know of plenty of customers who use successfully on clean and dry rubber mulch.

3. How soon after application can it be exposed to rain?

The longer the mulch glue is allowed to dry, the better. Ideally, the mulch glue should have 48 hours of good weather conditions to dry, which will yield the best results.

4. How long will mulch glue last on my stones?

It would vary based on your usage. A proper application on a well-draining stable base should typically last for 12 months. We suggest replenishing annually or reapply after winter.

5. Will it work if the stones are dirty or silty?

No, this contamination will stop a good bond from being achieved between the mulch glue and the stones. We would recommend washing the stones first and allowing them to dry.

6. What is the drying time?

Leave the first coat to dry for 24 hours or until fully dry before applying a second coat.

7. Will stones treated with mulch glue support garden furniture?

Yes, the time limit is one year, and you will need to strengthen the garden again the following year after winter. Mulch glue is applied to fix garden stones and sawdust to prevent garden chaos caused by high winds and heavy rains.

8. How wide an area can mulch glue cover?

1 litre per 35 sq.ft. for spraying/pouring (Adjusted by mulches & layers).
1 litre per 10KG stones for mix application (Adjusted by stone size).

9. Is the product flammable?

No, Mulch glue is a water-based product and is not flammable.

10. How long can you keep it?

The shelf life of mulch glue is 12 months. Once opened, we would recommend keeping it in a cool, dry storage place and Use within 6 months.

11. Can you use mulch glue on a driveway?

You cannot! Mulch glue is not suitable to receive vehicle traffic. It is only used for decoration or on the road with a small number of people walking.

12. What size diameter stone would you recommend for mulch glue?

We would recommend between 4mm and 10mm diameter for the best bond, but you can use stones up to 15mm and still achieve good results. Even larger stones can be bonded if clean and angular, but we wouldn't recommend it for any foot traffic.

13. Does it leave the surface permeable?

Mulch glue coats the stones in a thin film, and leaves the stones capable of being penetrated by water as normal.

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Sample Name: Mulch Glue Water-based Adhesive

Main Model: 980A-1

Additional Model: 980A-2, 980A-3, 980A-4, 980A-5, 980A-6

Manufacturer: Teexpert

Full Address: Room 44A, Building 1A, Xiangshanmeishuguoling,
Nanshan District, Shenzhen, Guangdong, China 518052

Supplier Email: support@teexpert-resin.com

Supplier Phone Number: +86-13249234861

Section 2 - Hazards Identification

Classification of the substance or mixture

The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Information concerning particular hazards for human and environment:

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification system

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

Label elements

Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard-determining components of labeling: Not applicable

Hazard statements: Not applicable

Precautionary statements: Not applicable

Hazards not otherwise classified (HNOC): No further relevant information available.

Section 3 - Composition/Information on Ingredient

Pure ☐ Admixture ☒

Composition:

Component	CAS No.	In % By Weight
Acrylate Copolymer	25133-97-5	49%
Water	7732-18-5	51%

Section 4 - First Aid Measures

Skin touch: Remove contaminated clothing immediately and rinse skin thoroughly with soap and water.

Eyes touch: Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water. Get medical aid.

Inhalation: Quickly leave the scene to fresh air. Keep your airways open. If breathing is difficult, give oxygen. Seek medical treatment.

Inhalation: Drink sufficient hot water and induce vomiting. Get medical aid.

Section 5 - Fire Fighting Measures

Danger characteristic: No special combustion characteristics of the explosion.

Hazardous combustion products: Decomposition product unknown.

Fire-Fighting method & media: The staff must equip with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defense the fire and the toxic gas. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible. Spray water on the containers in the fireplace to keep them cool until finish extinguishment. Media: hazy water, foam, powder, CO₂, sandy clay.

Section 6 - Accidental Release Measures

Emergency treatment: Cut off the source of ignition. Evacuate people to a safe place, isolate contaminated areas, and restrict access. It is recommended that personnel wear dust masks and work clothes. Small amount Spills: Clean up. Transfer to a safe place in a bottle. Large spill: Recycle or transport to waste disposal site for disposal.

Section 7 - Handling and Storage

Handling: Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear self-contained breathing dust respirator, protective gloves, and working clothes. Keep away from fire and heating sources. No smoking in the workplace. Avoid producing dust. Prevent contacting with oxidizer and acid. Equip with relevant types and quantities of the extinguishment instruments and devices for divulgence handling.

Storage: Store in a dry place with proper packaging, moisture-proof and natural ventilation. Keep away from fire and heat sources.

Equipped with the appropriate variety and quantity of fire equipment.

Section 8 - Exposure Controls, Personal Protection

Maximum admissible concentration: No standard yet Engineering Control: To supply with sufficient air exhaust.

Respiratory Protection: During emergency rescue or evacuation, a self-contained breathing apparatus should be worn.

Eyes Protection: Wearing chemical safety glasses.

Body Protection: Wear work clothes

Hands Protection: Wear protective gloves.

Other Protections: Smoking, eating and drinking are prohibited at the work site. Maintain good hygiene. Eyewash and shower facilities provided.

Section 9 - Physical and Chemical Properties

Appearance: Liquid

Color: White

Odour: No specific data.

Flashpoint: N/A

Ignition temperature: N/A

Solubility: Soluble in water

Section 10 - Stability and Reactivity

Stability: The product is stable under normal storage and use conditions and will not undergo dangerous polymerization.

Distribution of Ban: Strong oxidants, acids, alkalis.

Conditions to Avoid: Fire, high temperature.

Hazardous Polymerization: None

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

Section 11 - Toxicological Information

Acute Toxicity: No specific data.

Sub-acute and Chronic Toxicity: No specific data.

Irritation: No specific data.

Sensitization: No specific data.

Mutagenicity: No specific data.

Carcinogenicity: No specific data.

Others: No specific data.

Section 12 - Ecological Information

Eco-toxicity: No specific data.

Biodegradable:No specific data.

Non-biodegradable:No specific data.

Bioconcentration or biological accumulation: No specific data.

Other harmful effects: No specific data.

Section 13 - Disposal Considerations

Nature of waste: This product is not regarded as hazardous waste, as defined by Regulation (EC) No. 1272/2008.

Waste disposal methods: Refer to National or Local regulations before handling.

Attention abandoned: Avoid polluting the environment. Prevent waste from entering sewers, surface water and groundwater.

Section 14 - Transport Information

Number of Dangerous Goods: Not applicable UN Number: Not applicable

Packaging Mark: Not applicable

Packaging Method: No specific data.

Transport Fashion: No specific data.

Transport Attention: Examine whether the package of the containers are integrated or not before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with oxidizer and strong acid. The transport vehicle and ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the vehicle should prevent exposure, rain and high temperature. For stopovers, the vehicle should be away from fire and heat sources. When transported by sea, the assemble place should keep away from

bedroom and kitchen, and isolated from the engine room, power and fire source.

Section 15 - Regulatory Information

Regulatory Information:

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections. Regulation (EC) No. 1272/2008 Classification, Labelling and Packaging of Substances and Mixtures.

Section 16 - Additional Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*** End of Report ***

Mulch Gule Instructions

Please don't hesitate to contact us if you have any questions:
support@teexpert-resin.com