

GH-1505

GH-1505 is a single component hydrophobic grout based on polyurethane. It reacts to water contact by extending up to 27x in volume and forming a closed-cell rubber-like foam. Once cured, the waterless foam remains unaffected by water or dryness, and does not shrink or swell.

Compatible With
Most Injectors

Negative Side
Injection Compliant

Penetrates Deep
Into Tiny Cracks

Adhesion Tolerant of
Movement

Inert, Constant,
No Shrinkage

Expands to Fill
Cavities and Voids

Bonds Well and Full
to All Surfaces

Does Not
Create New Cracks

APPLICATIONS

Now, more of your
projects are Groutable™.

Performs above and beyond conventional grout,
above and below ground level:

- ✓ Cracked Concrete
- ✓ Defective Concrete
- ✓ Concrete Joints
- ✓ Soil Stabilization
- ✓ Brick Constructions
- ✓ Pipe Intrusions
- ✓ Sewers
- ✓ Water-Retaining Structures
- ✓ Manholes
- ✓ Utility Boxes
- ✓ Tunnels
- ✓ Dams

Groutable Inc.
3477 Corporate Pkwy, Suite 100
Center Valley, PA 18034

Groutable™
Inject. Grout. Seal.

1-800-202-8713
info@groutable.com
www.groutable.com

Stats

Product Number:	WS-1606	Form:	Liquid
Color:	Dark Yellow	Water Solubility:	Hydrophobic
Density:	1.20±0.1 g/ml	Viscosity (mPa.s): (KS F 4293)	300 - 600
Max. Expansion:	25 times	Induction Time: (25°C)	19 sec
Gel Time: (25°C)	110 sec	Elongation at Break:	> 30%
Strength: (KS M 3705)	4 N/mm ²	Corrosiveness:	Non-Corrosive
Ignition temperature:	>465 °C	Shelf Life:	1 year, unopened
Storage Conditions: (15°C - 30°C)	Cool, dry, ventilated place	Packaging:	10kg/pail, 20 kg/pail
Min. Ambient Temperature:	5°C	TWA Values:	500 ppm (ACGIH) 750 ppm (OSHA)
Melting Point:	-95°C	Boiling Point:	240°C
Flash point:	132°C	Density:	1.10 ~1.30
Vapor pressure:	0.045mmHg at 25°C	Vapor density:	3.52

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Safety

Active Ingredient	(%)	CAS No.
α -Hydro- ω -hydroxypoly(oxy-1,2-ethanediyl) polymer with 1,3-diisocyanato methylbenzene and 1,1'-methylenebis[4-isocyanatobenzene]	88 ~ 92	83437-95-0
Propylene Carbonate	8 ~ 12	108-32-7

Toxicological Information: Acute toxicity in LD50 rat(oral): 29.1 mg/kg, LC50 rabbit(dermal): 20 mg/kg, LD50 rat(inhalation): >5,000 mg/m²

Ecological information – Aquatic/Terrestrial/ecological toxicity – Fish: >1,000 mg/96hr, Shellfish: > 1,000 mg/48hr daphnia magna, Birds : > 900mg/L 72hr Scenedesmus subspicatus

Precautions:

- Keep away from heat/sparks/flames
- Keep container tightly closed & locked
- Ground/bond container and equipment
- Use explosion-proof electrical/lighting
- Use only as directed

Hazards:

- Causes serious eye irritation
- Harmful if inhaled
- May cause drowsiness or dizziness
- Causes damage to organs
- Hazardous decomposition (CO₂, NO_x)

Formula Classification:

Flammable Liquid – 1
Eye Irritation – 2A
Organ Toxicity (single exposure) – 3
Organ Toxicity (repeat exposure) – 3
Aspiration Hazard – 2
Reactivity – 0

Manufactured by:

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First Aid & Emergencies

If on skin...

Take off any contaminated clothing and immediately wash skin thoroughly with industrial skin cleaner, followed by soap and water. Do not use solvent. Seek medical care if irritation persists.

If inhaled...

Stay as calm as possible, move to fresh air, and call a doctor or poison control center immediately.

In case of fire...

Use water-based, alcohol-resistant foam extinguisher. Wear a self-contained breathing apparatus and fire- and chemical- resistant clothing.

If ingested...

Rinse mouth and drink a large glass of water. Call a doctor or poison control center immediately. Do not induce vomiting.

If in eyes...

Rinse eyes with plenty of water until no evidence of substance remains. Then call a doctor.

If spilled...

Ventilate area and use breathing apparatus. Pick up spill with absorbent material and dispose as required by law.

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Usage Instructions - Part 1

Step 1

Safety First

Ventilate work area. Wear gas/vapor breathing filter, chemical-resistant gloves, frame goggles, and waterproof safety shoes. A barrier cream can also be used as needed.

Step 2

Prep Surfaces

Use cool water and an abrasive brush to scrub the surface clear of any mineral deposits.

Step 3

Drill Injection Ports

Drill holes intersecting the crack to be filled at the preferred breadth and depth.

Step 4

Place Packers

Insert injection packers into the drilled holes so that the rubber sleeves are below the surface.

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Usage Instructions - Part 2

Step 5

Inject Sealant

Inject the sealant into the crack until filled.
Allow time to set—at least 1 hour.

Step 6

Finish

Remove injection packers and patch the holes with epoxy putty.

Step 7

Clean Up

Clean tools with acetone to remove the solution residue.

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Handling & Storage

Handling

- Do not empty into drains or soil.
- Dispose content and packaging by law.
- Avoid contact with oxidizers.

Storage

- Store in a cool, dry, well-ventilated area.
- Keep tightly closed when not in use.
- Store substance and packaging by law.
- Store away from acid/alkaline and alcohols.

Transportation

International: IATA-DGR, IMDG-Code
Not regulated as a dangerous good.

Regulations

Hazardous safety control acts: 4 class
petroleum

The data contained in this document is based on our current knowledge of substance safety. The properties nor the suitability of the product for any specific purpose should not be deduced from the data contained in this document. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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