

## AV-170 FlexGel™

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	AV-170 FlexGel™
<b>Other Means of Identification</b>	Acrylic Grout
<b>Recommended Use</b>	Industrial Use Only
<b>Restrictions on Use</b>	None known
<b>Manufacturer/Supplier</b>	Avanti International, 822 Bay Star Blvd, Webster, TX, 77598, USA, 281.486.5600, avantigrout.com
<b>Emergency Phone No.</b>	ChemTrec 800.424.9300
<b>Date of Preparation</b>	July 21, 2022

### SECTION 2. HAZARD IDENTIFICATION

**Classification:** Skin Irritation- Category 3; Eye Irritation - Category 2B; Skin sensitizer – Category 1

**Label Elements**  
Hazard pictogram:



**Signal word:** Warning

**Hazard statements:**  
H316 Causes mild skin irritation.  
H317 May cause an allergic skin reaction.  
H320 Causes eye irritation.

**Precautionary Statements**

**Prevention:**  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands and skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**  
P410 Protect from sunlight.

**Disposal:**  
P501 Dispose of contents and container in accordance with local, regional, national, and international regulations

**Other Hazards**  
Other hazards: HMIS RATING      Health: 3      Flammability: 0      Physical Hazard: 0

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
Magnesium Diacrylate	5698-98-6	>20 - <30
Acrylic acid, 2-hydroxyethyl ester	818-61-1	<5
Proprietary Acrylate monomer	Proprietary	<5
Proprietary Acrylate monomer	Proprietary	<0.2

Occupational exposure limits, if available, are listed in section 8.

## SECTION 4. FIRST AID MEASURES

### First Aid Measures

General advice:	If exposed or concerned, get medical advice or attention.
Eye contact:	Avoid direct contact. Wear chemical protective goggles if necessary. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.
Skin contact:	Avoid direct contact. Wear chemical protective clothing if necessary. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.
Inhalation:	Move to fresh air.
Ingestion:	Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness or is unconscious or convulsing. Do not induce vomiting. If exposed or concerned, get medical advice or attention.

### Most Important Symptoms and Effects, Acute and Delayed

Eye contact:	Causes skin and eye irritation.
Skin contact:	May cause allergic skin reaction.

### Immediate Medical Attention and Special Treatment

Treatment Target Organs	Eyes and skin.
Specific treatments	Not applicable.
Medical Conditions	None known.
Aggravated by Exposure	

## SECTION 5. FIRE FIGHTING MEASURES

### Extinguishing Media

Suitable:	Dry chemical powder, foam, carbon dioxide, dry sand and fogging water
Unsuitable:	Hose water.

### Specific Hazards Arising from the Product

Special hazards:	Formation of toxic gases is possible during heating or in fires. The product may undergo spontaneous polymerization at high temperatures. Polymerization is exothermic and may cause damage to the container and/or release of thermal decomposition products.
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### Special Protective Equipment and Precautions for Firefighters

Special firefighting procedures:	Firefighting operation should be done from upwind position, with wearing protective equipment. Cut off supply of burning material to the source of fire and extinguish the fire using proper extinguishing media. Cool the surrounding buildings with water spray to prevent spread of fire. Fire fighters should wear proper protective equipment (breathing apparatus, chemical protective suits, gloves, glasses, masks, etc.)
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## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Non-emergency personnel: Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Isolate the spill area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Evacuate downwind locations.

Environmental precautions: It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Spills: Stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product (sand, peat, sawdust, or waste cloth). Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product. Dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Store recovered product in suitable containers that are: tightly covered. Dispose of waste materials according to SECTION 13.

### Other Information

Contact supplier, local fire, and emergency services for help.

## SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling:** Do not get in eyes, on skin or on clothing. Avoid breathing vapours or mists. Wear personal protective equipment to avoid direct contact with this chemical. Only use where there is adequate ventilation. General hygiene considerations: Wash thoroughly after handling. Ensure that eyewash stations and safety showers are close to the workstation location.

**Conditions for safe storage:** Store in an area that is: cool, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity), dry, away from direct sunlight or heat.

**Incompatible materials:** See Section 10: Stability and Reactivity

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

None available

ACGIH TLV®

OSHA PEL

AIHA WEEL

### Appropriate engineering controls:

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

Eyes/face protection: Wear chemical safety goggles and face shield when contact is possible.

Skin/hand protection: Wear chemical protective clothing e.g., gloves, aprons, boots.

Body protection: Wear chemical protective clothing e.g., gloves, aprons, boots.

Respiratory protection: Not normally required if product is used as directed. Half face or full-face respirator fitted with organic vapor cartridges.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**Odor:** Not available

**Odor threshold:** Not available

<b>pH:</b>	5 - 8
<b>Melting/freezing point:</b>	< 0 °C (32 °F) (melting); Not available (freezing)
<b>Initial boiling point and boiling range:</b>	> 100 °C (212 °F)
<b>Flash point:</b>	Not available
<b>Flash point method:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	1.1 - 1.3 (Water = 1)
<b>Solubility:</b>	Soluble in all proportions in water; Not available (in other liquids)
<b>Partition coefficient n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable under normal usage. Can undergo vigorous exothermic polymerization. Polymerizes vigorously, unless inhibited.
<b>Chemical stability:</b>	Normally stable. Periodic air sparging in container will assist long term stability.
<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	Sunlight, prolonged contact with metals, peroxides, heat.
<b>Incompatible materials:</b>	Polymerizes on contact with oxidizing agents (e.g., peroxides), organic acids (e.g., acetic acid), reducing agents (e.g., hydroquinone). Not corrosive to metals.
<b>Hazardous decomposition products:</b>	Toxic gases of carbon monoxide, carbon dioxides. Irritating vapors.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Skin contact; eye contact; ingestion; skin absorption.

### Potential Chronic Health Effects

#### Acute Toxicity Data

Product Name	Test	Result	Route	Species
No data available	N/A	N/A	N/A	N/A

<b>Skin corrosion or irritation:</b>	Irritating to skin.
<b>Serious eye damage or irritation:</b>	Irritating to eyes.
<b>Respiratory sensitization:</b>	Skin contact may cause an allergic skin reaction.

Skin sensitization: Skin contact may cause an allergic skin reaction.  
 Germ cell mutation: No information was located.  
 Carcinogenicity: No information was located  
 Reproductive toxicity: Development of Offspring: No information was located  
 Sexual Function and Fertility: No information was located.  
 Effects on or via Lactation: No information was located.  
 Aspiration hazard: No information was located.

**Specific Target Organ Toxicity**

Single exposure: No information was located.  
 Repeated exposure: No information was located.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity Data**

Toxicity	Test	Result	Route	Species
No information located				

Persistence and degradability: No information was located.  
 Bioaccumulative potential: No information was located.  
 Mobility in soil: No information was located.  
 Other adverse effects: There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods: Dispose of contents and container in accordance with local, regional, national, and international regulations.  
 Disposal of empty containers: Emptied containers retain product residue. Disposal of empty containers should comply with the requirements of environmental protection, waste disposal legislation and any federal, state, regional and local authority requirements.  
 Waste classification: It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

Consult your local or regional authorities.  
 Refer to section 7 for handling precautions and to Section 8 for information on personal protective equipment.

**SECTION 14. TRANSPORT INFORMATION**

**Regulatory Information**

	UN No.	Proper Shipping Name	Transport Class	Packing Group
DOT	Not regulated	Not applicable	-	-
TDG	Not regulated	Not applicable	-	-
IMDG	Not regulated	Not applicable	-	-
IATA	Not regulated	Not applicable	-	-

**Environmental Hazards** Not applicable

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**  
 Not applicable

## SECTION 15. REGULATORY INFORMATION

### United States

TSCA 8(B) inventory: All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

## SECTION 16. OTHER INFORMATION

NFPA Rating: Health - 3 Flammability - 0 Instability - 0

SDS Prepared By: Avanti International

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Date of Last Revision: August 18, 2022

Revision Indicators:

Key to Abbreviations: ACGIH® American Conference of Governmental Industrial Hygienists IARC = International Agency for Research on Cancer

NFPA National Fire Protection Association

NIOSH National Institute for Occupational Safety and Health

NTP National Toxicology Program

OSHA US Occupational Safety and Health Administration

RTECS® Registry of Toxic Effects of Chemical Substances

References CHEMINFO database. HSDB® database. US National Library of Medicine. NIOSH Pocket Guide database. National Institute for Occupational Safety and Health.