

**AV-160 SUPERGEL™****SECTION 1. IDENTIFICATION**

<b>Product Identifier</b>	AV-160 SUPERGEL™
<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 Identifier</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>	March 27, 2018

**SECTION 2. HAZARD IDENTIFICATION****Classification**

Eye irritation - Category 2A; Germ cell mutagenicity - Category 1B; Carcinogenicity - Category 1B; Reproductive toxicity - Category 2

**Label Elements**

Signal Word:

Danger

Hazard Statement(s):

H319 Causes serious eye irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

Precautionary Statement(s):

P202 Do not handle until all safety precautions have been read and understood.

Prevention:

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

Product Identifier: AV-160 SUPERGEL™ - Ver. 1

Date of Preparation: March 27, 2018

Date of Last Revision: October 4, 2019

Page 1 of 07

P405 Store locked up.

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

**Other Hazards**

Not applicable.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Poly(oxy-1,2-ethanediyl), alpha-(1-oxo-2-propenyl)- omega -[(1-oxo-2-propenyl)oxy]-	26570-48-9	15	PEG DA	
N-[(Prop-2-enoylamino)methyl]prop- 2-enamide	110-26-9	1.1	MBA	

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

Move to fresh air.

**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. Safely dispose of contaminated clothing, shoes and leather goods. DO NOT re-use.

**Eye Contact**

Avoid direct contact. Wear chemical protective gloves 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.

**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.

**First-aid Comments**

If exposed or concerned, get medical advice or attention.

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

If in eyes: causes moderate to severe irritation.

**Immediate Medical Attention and Special Treatment**

**Target Organs**

Eyes.

**Special Instructions**

Not applicable.

**Medical Conditions Aggravated by Exposure**

None known.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire. Use water to keep non-leaking,

Product Identifier: AV-160 SUPERGEL™ - Ver. 1

Date of Preparation: March 27, 2018

Date of Last Revision: October 4, 2019

fire-exposed containers cool.

#### **Unsuitable Extinguishing Media**

Not applicable.

#### **Specific Hazards Arising from the Product**

Closed containers may rupture violently when heated releasing contents.

Very toxic carbon monoxide, carbon dioxide; extremely hazardous hydrogen cyanide; corrosive, oxidizing nitrogen oxides.

#### **Special Protective Equipment and Precautions for Fire-fighters**

Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases. Knock down vapours or gases with water fog or fine water spray. Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Evacuate the area immediately. Isolate the hazard 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**

Stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. 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.

### **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 generating vapours or mists. Wear personal protective equipment to avoid direct contact with this chemical. Only use where there is adequate ventilation. Avoid exposure during pregnancy and while nursing. Avoid generating vapours or mists. General hygiene considerations: do NOT smoke in work areas. Do NOT eat, drink or store food in work areas.

### **Conditions for Safe Storage**

Store in an area that is: ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity).

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control Parameters**

Not available.

### **Appropriate Engineering Controls**

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

### **Individual Protection Measures**

#### **Eye/Face Protection**

Wear chemical safety goggles and face shield when contact is possible.

#### **Skin Protection**

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: Chemical Resistant Gloves: butyl rubber, natural rubber, neoprene rubber, nitrile rubber.

Chemical Resistant Suit: Tychem® SL (Saranex™).

---

Product Identifier: AV-160 SUPERGEL™ - Ver. 1

Date of Preparation: March 27, 2018

Date of Last Revision: October 4, 2019

Page 3 of 07

## Respiratory Protection

Not normally required if product is used as directed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear orange - brown liquid.
Odour	Slight
Odour Threshold	Not available
pH	5 - 8
Melting Point/Freezing Point	< 0 °C (32 °F) (melting); Not available (freezing)
Initial Boiling Point/Range	> 100 °C (212 °F)
Flash Point	Does not flash
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not expected to create an explosive atmosphere
Vapour Pressure	2.3 kPa (17.3 mm Hg) at 20 °C
Vapour Density (air = 1)	~ 0.8
Relative Density (water = 1)	1.1 - 1.3
Solubility	Soluble in all proportions in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Can undergo vigorous polymerization. Polymerizes vigorously, unless inhibited.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

Sunlight.

### Incompatible Materials

Polymerizes on contact with: oxidizing agents (e.g. peroxides), organic acids (e.g. acetic acid), reducing agents (e.g. hydroquinone).

Not corrosive to metals.

### Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; extremely hazardous hydrogen cyanide; corrosive, oxidizing nitrogen oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Skin contact; eye contact; ingestion; skin absorption.

---

Product Identifier: AV-160 SUPERGEL™ - Ver. 1  
Date of Preparation: March 27, 2018  
Date of Last Revision: October 4, 2019

## Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
N-[(Prop-2-enoylamino)methyl]prop-2-enamide	12.1 mg/L (rat)	50-300 mg/kg (rat)	1141 mg/kg (rabbit)

Inhalation ATEmix = 935 mg/L (4-hour exposure) (dust/mist)

15% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (inhalation)

Oral ATEmix = 23181.82 mg/kg

15% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)

Dermal ATEmix = 88168.18 mg/kg

15% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (dermal)

### Skin Corrosion/Irritation

Not a skin irritant.

### Serious Eye Damage/Irritation

(Poly(oxy-1,2-ethanediyl), alpha-(1-oxo-2-propenyl)- omega -[(1-oxo-2-propenyl)oxy]-) animal tests show serious eye damage.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

No known effects.

#### Skin Absorption

No known effects.

#### Ingestion

No known effects.

### Aspiration Hazard

No hazards resulting from the material as supplied.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

(N-[(Prop-2-enoylamino)methyl]prop-2-enamide) causes effects on the peripheral nervous system. NOAEL/oral/rat/730 days = 0.5 mg/kg/day (OECD 453).

### Respiratory and/or Skin Sensitization

This product is not expected to be sensitizing.

### Carcinogenicity

May cause cancer based on information for closely related chemicals. (N-[(Prop-2-enoylamino)methyl]prop-2-enamide) Carcinogenicity study in rat: NOAEL = 0.5 mg/kg/day (EPA OPP 83-2) (Based on results obtained from tests on analogous products).

### Reproductive Toxicity

#### Development of Offspring

May cause effects on the unborn child based on information for closely related chemicals.

(N-[(Prop-2-enoylamino)methyl]prop-2-enamide)

Two-Generation Reproduction Toxicity (OECD 416)

-NOAEL/rat = 2mg/kg/day (Based on results obtained from tests on analogous products)

Prenatal Development Toxicity Study (OECD 414)

-NOAEL/Maternal toxicity/rat = 2.5 mg/kg/day

-NOAEL/Developmental toxicity/rat = 15 mg/kg/day (Based on results obtained from tests on analogous products)

#### Sexual Function and Fertility

May cause effects on sexual function and/or fertility based on information for closely related chemicals.

#### Effects on or via Lactation

No information was located.

### Germ Cell Mutagenicity

May be mutagenic based on information for closely related chemicals.

(N-[(Prop-2-enoylamino)methyl]prop-2-enamide)

Product Identifier: AV-160 SUPERGEL™ - Ver. 1

Date of Preparation: March 27, 2018

Date of Last Revision: October 4, 2019

Negative in the Ames Test (OECD 471)

Negative in the In vitro Mammalian Cell Gene Mutation Test (OECD 476). (Based on results obtained from tests on analogous products)

Positive in the In Vitro Mammalian Chromosome Aberration Test (OECD 473). (Based on results obtained from tests on analogous products)

Positive in the Rodent Dominant Lethal Test (OECD 478). (Based on results obtained from tests on analogous products)

#### Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Studies were not located.

### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
N-[(Prop-2-enoylamino)methyl]prop-2-enamide	> 100 mg/L  (96-hour)	> 100 mg/L (Daphnia  magna (water flea);  48-hour)		> 100 mg/L  (Pseudokirchneriella subcapitata (algae); 72-hour)

### Persistence and Degradability

(N-[(Prop-2-enoylamino)methyl]prop-2-enamide) Does not degrade rapidly based on quantitative tests. 2.1%/28 days (OECD 301 F).

### Bioaccumulative Potential

(N-[(Prop-2-enoylamino)methyl]prop-2-enamide) fish Bioconcentration Factor: 3 n-Octanol/Water Partition Coefficient (Log Kow):

-0.08 @ 24 degrees C, pH 7.87 - 7.98 (OECD 107).

### Mobility in Soil

(N-[(Prop-2-enoylamino)methyl]prop-2-enamide) KOC: <= 10.

### 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.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Environmental Hazards** Not applicable

Product Identifier: AV-160 SUPERGEL™ - Ver. 1

Date of Preparation: March 27, 2018

Date of Last Revision: October 4, 2019

Page 6 of 07

**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

### Safety, Health and Environmental Regulations

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

## SECTION 16. OTHER INFORMATION

<b>NFPA Rating</b>	<b>Health - 1</b>	<b>Flammability - 0</b>	<b>Instability - 0</b>
<b>SDS Prepared By</b>	Avanti International		
<b>Date of Preparation</b>	March 27, 2018		
<b>Date of Last Revision</b>	October 4, 2019		
<b>Revision Indicators</b>	Not applicable. The following SDS content was changed on June 03, 2019: SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values. The following SDS content was changed on June 04, 2019: SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity.		
<b>Key to Abbreviations</b>	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		
<b>References</b>	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).		

---

Product Identifier: AV-160 SUPERGEL™ - Ver. 1

Date of Preparation: March 27, 2018

Date of Last Revision: October 4, 2019

Page 7 of 07