

AV-160 SuperGel™

SECTION 1. IDENTIFICATION

Product Identifier	AV-160 SuperGel
Other Means of Identification	Acrylic Grout
Recommended Use	Industrial Use Only
Restrictions on Use	None known
Manufacturer/Supplier	Avanti International, 822 Bay Star Blvd, Webster, TX, 77598, USA, 281.486.5600
Emergency Phone No.	ChemTrec 800.424.9300
Date of Preparation	March 27, 2018
Date of Last Revision	May 19, 2025

SECTION 2. HAZARD IDENTIFICATION

Classified according to 29 CFR 1910.1200(d)

Classification: Skin Sens. – 1B; H317

Label Elements

Hazard pictogram:



Signal word: Warning
Hazard statements: H317 May cause an allergic skin reaction

Precautionary Statements

General:
Prevention: P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention
P362 + P364 Take off contaminated clothing and wash before reuse.
Storage: P405 Store locked up.
Disposal: P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Other hazards: Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Poly(oxy-1,2-ethanediyl), alpha-(1-oxo-2-propenyl)- omega -[(1-oxo-2-propenyl)oxy]-	26570-48-9	<10	PEG DA
2-Propen-1-aminium, N,N,N-tri-2propen-1-yl,chloride	13107-10-3	<1.0	

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. 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 15 minutes. Safely dispose of contaminated clothing, shoes and leather goods. Do not re-use. In case of persistent skin irritation, consult a physician.
Inhalation:	Move to fresh air.
Ingestion:	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth if a person is rapidly losing consciousness or is unconscious or convulsing. If exposed or concerned, get medical advice or attention immediately.

Most Important Symptoms and Effects, Acute and Delayed

Eye contact:	Not applicable
Skin contact:	May cause allergic skin reaction.
Inhalation:	Not applicable
Ingestion:	Not applicable

Immediate Medical Attention and Special Treatment

Notes to physicians:	None known.
Specific treatments	None known.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable:	Not combustible. Use an extinguishing agent suitable for surrounding fire. Use water to keep non-leaking, fire-exposed containers cool.
Unsuitable:	None known.

Specific Hazards Arising from the Product

Flammability classification:	0
Hazardous product combustion:	Closed containers may rupture violently when heated releasing contents.
Special hazards:	Ammonia. Very toxic carbon monoxide, carbon dioxide; extremely hazardous hydrogen cyanide may be produced in the event of combustion in an oxygen deficient atmosphere; corrosive, oxidizing nitrogen oxides

Special Protective Equipment and Precautions for Firefighters

Special firefighting procedures:	Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapor or gases. Knock down vapor 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 vapors. Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless you wear 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 you wear appropriate protective equipment. Evacuate downwind locations.

Environmental Precautions

It is good practice to prevent release 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 vapors or mists. Wear personal protective equipment to avoid direct contact with this chemical. Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mist. Avoid exposure during pregnancy and while nursing. Avoid generating vapors or mists.

Conditions for safe storage:

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

Incompatible materials:

None known.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available

Recommended monitoring procedures:

Avoid/prevent all emissions through measures such as recycling to process, treatment of emissions or incineration.

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 for normal handling conditions.

Skin/hand/body protection:

Wear chemical protective clothing e.g. gloves, aprons, boots. Suitable materials are Chemical Resistant Gloves: butyl rubber, natural rubber, neoprene rubber, nitrile rubber category III according to the current EN standard. Chemical Resistant apron or protective suit if splashing or repeated contact with solution is likely.

Respiratory protection:

Not normally required if product is used as directed.

Other protective equipment:

General hygiene considerations:

General hygiene considerations: Do not smoke in work areas. Do not eat, drink or store food in work areas.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Clear orange - light brown liquid

Odor:

Slight

Odor threshold:

Not available

pH:

5-8

Melting/freezing point:	< 32°F (0°C) (melting); Not available (freezing)
Initial boiling point and boiling range:	> 212°F (100°C)
Flash point:	Does not flash
Flash point method:	Not applicable
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not expected to create an explosive atmosphere
Vapor pressure:	2.3 kPa (17.3 mm Hg) at 68°F (20°C)
Vapor 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:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available (kinematic); ~ 40 cP (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Stable under recommended storage conditions. Can undergo polymerization with free radical or peroxides.
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), Strong acids and base materials, reducing. Not corrosive to metals.
Hazardous decomposition products:	Very toxic carbon monoxide, carbon dioxide; extremely hazardous hydrogen cyanide (in an oxygen deficient atmosphere); corrosive, oxidizing nitrogen oxides. Contact with strong bases liberates ammonia.

SECTION 11. TOXICOLOGICAL INFORMATION

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

Potential Chronic Health Effects

Interactive effects: No information was located.

Other information: None known

Acute Toxicity Data

Product Name	LC50	LD50 (oral)	LD50 (dermal)
Poly(oxy-1,2-ethanediyl), alpha-(1-oxo-2-propenyl)- omega-[(1-oxo-2-propenyl)oxy]-	No data	No data	No data
2-Propen-1-aminium, N,N,N-tri-2propen-1-yl,chloride	No data	>2000 mg/kg (rat)	>2000 mg/kg (rat)

*Based on similar product

Inhalation ATEmix = not expected to be toxic by inhalation
 <10% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (inhalation)
 Oral ATEmix = >5000 mg/kg
 <10% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)
 Dermal ATEmix = >5000 mg/kg
 <10% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (dermal)

Skin corrosion or irritation: Not a skin irritant.
 Serious eye damage or irritation: (Poly(oxy-1,2-ethanediyl), alpha-(1-oxo-2-propenyl)- omega -[(1-oxo-2-propenyl)oxy]-) animal tests show serious eye damage.
 Respiratory and/or sensitization: Sensitizing to skin.
 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 hazards resulting from the material as supplied.

Specific Target Organ Toxicity

Single exposure: Inhalation: No known effects.
 Skin Absorption: No known effects.
 Ingestion: No known effects.
 Repeated exposure: 2-Propen-1-aminium, N,N,N-tri-2propen-1-yl,chloride is not expected to demonstrate chronic effects. NOAEL/oral/rat/28 days = 1000 mg/kg/day (OECD 407).

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Data

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
As supplied	> 100 mg/L	> 100 mg/L (Daphnia		> 100 mg/L
	(96-hour)	magna (water flea);		(Pseudokirchneriella
		48-hour)		subcapitata (algae);
				72-hour)
2-Propen-1-aminium, N,N,N-tri-2propen-1-yl,chloride	11 mg/L (96 hours)	80 mg/L (48 hours)		9.6 mg/L

2-Propen-1-aminium, N,N,N-tri-2propen-1-yl,chloride
 Chronic Toxicity to Fish: >100 mg/L (9 days Danio rerio)
 Toxicity to microorganisms: 784 mg/l (3 hours activated sludge)
 Effects on terrestrial organisms: 2780 mg/kg (14 days Eisenia Fetida)

Persistence and degradability: As supplied: Readily biodegradable
 2-Propen-1-aminium, N,N,N-tri-2propen-1-yl,chloride:
 Does not degrade rapidly based on quantitative tests. 0.0%/28 days (OECD 301 F).
 Hydrolysis: does not hydrolyse.
 Half-life: >1 year @ 122°F (50°C), pH 4-9
 Bioaccumulative potential: As supplied: Not expected to bioaccumulate
 2-Propen-1-aminium, N,N,N-tri-2propen-1-yl,chloride:
 Bioconcentration Factor: No data
 Water Partition Coefficient (Log Kow): --1 @ 73.4°F (23°C), pH 7.87 - 7.98 (OECD 107).

Mobility in soil:	As supplied: not expected KOC: no data 2-Propen-1-aminium, N,N,N-tri-2propen-1-yl,chloride KOC: no data. Other Adverse Effects There is no information available.
Other adverse effects:	There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of contents and container(s) in accordance with local, regional, national and international regulations. Empty containers retain product residue. Follow label warnings even if container appears to be empty. Do not reuse empty containers.

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

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

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

Other Information

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.

SARA Reporting
Requirements: Acute

California Proposition 65

Not concerned.

Canada

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

SECTION 16. OTHER INFORMATION

NFPA Rating:	Health - 2	Flammability - 0	Instability - 0	
HMIS Rating:	Health - 2	Flammability - 0	Physical Hazard - 0	PPE Code - B
SDS Prepared By:	Avanti International			
Date of Preparation:	March 27, 2018			
Date of Last Revision:	May 19, 2025			

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 Toxicological Program
	OSHA	US Occupational Safety and Health Administration
	RTECS®	Registry of Toxic Effects of Chemical Substances
	HMIS	A. safety glasses
	PPE Code	B. safety glasses and gloves
		C. safety glasses, gloves and an apron
		D. face shield, gloves and an apron
		E. safety glasses, gloves and a dust respirator
		F. safety glasses, gloves, apron and a dust respirator
		G. safety glasses, a vapor respirator
		H. splash goggles, gloves, apron and a vapor respirator
		I. safety glasses, gloves and a dust/vapor respirator
		J. splash goggles, gloves, apron and a dust/vapor respirator
		K. airline hood or mask, gloves, full suit and boots
		X. ask supervisor or safety specialist for handling instructions, or refer to the MSDS sheet for specific directions
References	CHEMINFO database. HSDB® database. US National Library of Medicine. NIOSH Pocket Guide database. Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA").	