

**AV-279 LOW VIS ACCEL™****SECTION 1. IDENTIFICATION**

<b>Product Identifier</b>	AV-279 LOW VIS ACCEL™
<b>Other Means of Identification</b>	Catalyst for hydrophobic grout
<b>Recommended Use</b>	Industrial Use Only.
<b>Restrictions on Use</b>	Not applicable.
<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 16, 2018

**SECTION 2. HAZARD IDENTIFICATION**

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

**Classification**

Skin corrosion - Category 1; Serious eye damage - Category 1; Respiratory sensitization - Category 1A; Skin sensitization - Category 1; Specific target organ toxicity (single exposure) - Category 3; Aquatic hazard (Acute) - Category 1

**Label Elements**

Signal Word:

Warning

Hazard Statement(s):

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Precautionary Statement(s):

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing must not be allowed out of the workplace.

P284 In case of inadequate ventilation wear respiratory protection.

Response:

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

P302 + P352 IF ON SKIN: Wash with plenty of water/

And

Soap

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

P312 Call a POISON CENTRE or doctor if you feel unwell.

P333 + P313 If skin irritation or rash occurs: Get medical advice or attention.

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P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 Storage:  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 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
Amines, coco alkyl	61788-46-3	50	Amine, Coco alkyl	
1,2-Cyclohexanedicarboxylic acid, dinonyl ester, branched and linear	474919-59-0	25	1, 2-cyclohexandicarboxylic acid, dinonyl ester	
Alcohols, C12-14, ethoxylated propoxylated, liquids	68439-51-0	25	alcohols, ethoxylated and propoxylated	

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. If skin irritation or a rash occurs, get medical advice or attention.

##### Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

##### Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

##### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

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

If inhaled and/or swallowed: can irritate the nose and throat. Respiratory sensitizer. May cause asthma or an asthma-like reaction in some people. Symptoms include pain, redness, and swelling.

#### Immediate Medical Attention and Special Treatment

##### Target Organs

Respiratory system, skin.

##### Special Instructions

Not applicable.

##### Medical Conditions Aggravated by Exposure

Asthma, dermatitis, respiratory conditions.

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## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Use water to keep non-leaking, fire-exposed containers cool.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Product

Closed containers may rupture violently when heated releasing contents.

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

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

Approach fire from upwind to avoid hazardous vapours or gases. Do NOT apply water directly to spill.

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

## 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. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. It is good practice to prevent releases into the environment. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

### Methods and Materials for Containment and Cleaning Up

Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Cover the spill surface with the appropriate type of foam to reduce the release of vapour. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product. Large spills or leaks: dike spilled product to prevent runoff. Knock down vapour with fog or fine water spray. Remove or recover liquid using pumps or vacuum equipment. Get expert advice before treating the spilled product with other chemicals to make it less hazardous. Store recovered product in suitable containers that are: contact emergency services and manufacturer/supplier for advice.

### Other Information

Contact supplier, local fire and emergency services for help. Report spills to local health, safety and environmental authorities, as required.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Obtain special instructions before use. Do not breathe in this product. Prevent all skin contact. Do not get in eyes, on skin or on clothing. Do not swallow. Only use where there is adequate ventilation. Avoid generating vapours or mists. Prevent uncontrolled release of product. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). Avoid heating that will increase the amount of vapours. Wear personal protective equipment to avoid direct contact with this chemical. Avoid repeated or prolonged skin contact with product or with contaminated equipment/surfaces. For large-scale use: isolate and purge all equipment, piping or vessels prior to maintenance or repairs. General hygiene considerations: it is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Properly dispose of any contaminated items, including shoes, that cannot be decontaminated. DO NOT re-use.

### Conditions for Safe Storage

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

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide safety shower in work area, if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots. Wear a chemical splash suit and respiratory protection.

Suitable materials are: Chemical Resistant Gloves: nitrile rubber, Viton®/butyl rubber. Chemical Resistant Suit: Barrier® (PE/PA/PE), Saranex®.

#### Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge. Either full-face piece or half-face piece with splash goggles.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Pungent
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	180 °F (82 °C)
Flash Point	350 °F (177 °C)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	12.7% (upper); 2% (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.9256
Solubility	Not available 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)
Other Information	
Physical State	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

None known.

### Chemical Stability

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Normally stable.

#### **Possibility of Hazardous Reactions**

None known.

#### **Conditions to Avoid**

Sunlight. High temperatures. Open flames, sparks, static discharge, heat and other ignition sources. Incompatible materials.

#### **Incompatible Materials**

Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid), oxidizing agents (e.g. peroxides). Corrosive to: copper, copper alloys (e.g. brass and/or bronze).

#### **Hazardous Decomposition Products**

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Likely Routes of Exposure**

Inhalation; skin contact; skin absorption; eye contact.

#### **Acute Toxicity**

<b>Chemical Name</b>	<b>LC50</b>	<b>LD50 (oral)</b>	<b>LD50 (dermal)</b>
Amines, coco alkyl		740 mg/kg (rat)	

#### **Skin Corrosion/Irritation**

May cause moderate or severe irritation based on information for closely related materials.

#### **Serious Eye Damage/Irritation**

May cause serious eye irritation based on information for closely related materials.

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

##### **Inhalation**

No information was located.

##### **Skin Absorption**

No information was located.

##### **Ingestion**

No information was located.

#### **Aspiration Hazard**

No information was located.

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

May cause irritation of the respiratory system. Respiratory tract injury has been observed.

#### **Respiratory and/or Skin Sensitization**

Skin sensitizer. Respiratory sensitizer.

#### **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.

#### **Germ Cell Mutagenicity**

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No information was located.

#### Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life, based on quantitative structure-activity relationships. based on acute toxicity tests.  
LC50 Fish 0.1-1 mg/L Zebra Fish 0.1-1 mg/L (semi-static)

### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Amines, coco alkyl	0.1-1 mg/L (96-hour; semi-static)			

### Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

### Bioaccumulative Potential

Fish Bioconcentration Factor: 310 this product or its degradation products have the potential to bioaccumulate based on the fish bioconcentration factor (BCF).

### Mobility in Soil

If released into the environment, this product is not expected to move through the soil, based on physical and chemical properties.

### 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. Empty containers retain product residue. Follow label warnings even if container appears to be empty. Do not reuse empty containers. Dispose of or recycle empty containers through an approved waste management facility.

## SECTION 14. TRANSPORT INFORMATION

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

**Environmental Hazards** Marine Pollutant

### Hazards

**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

#### Canada

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

Listed on the DSL.

#### USA

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

Listed on the TSCA Inventory.

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## SECTION 16. OTHER INFORMATION

<b>NFPA Rating</b>	<b>Health - 2</b>	<b>Flammability - 1</b>	<b>Instability - 1</b>
<b>SDS Prepared By</b>	Avanti International		
<b>Date of Preparation</b>	March 16, 2018		
<b>Date of Last Revision</b>	May 10, 2018		
<b>Revision Indicators</b>	The following SDS content was changed on March 16, 2018:		
<b>Key to Abbreviations</b>	ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation 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).		