

# AV-101 Catalyst T+

Additives, Catalysts, Auxiliary Products

## General Specifications

### Description

AV-101 CATALYST T+ (often referred to as CAT T+) is a colorless liquid which is used as an activator for reaction of AV-100 Chemical Grout Solutions and AV-118 Acrylic Gel. The special blend of ingredients in AV-101 reduces its freezing point to 0°C and enhances the final gel.

### Physical Data

Boiling point: 378°F (197°C)  
Vapor Pressure: 0.12 MMHG @ 25°C  
Specific Gravity: 1.1155 @ 20/20°C  
Vapor Density: 5/14 (AIR = 1)  
Solubility in Water: Completely Miscible  
Appearance: Colorless Liquid  
Odor: Slight Ammonia Odor  
Flash Point: 232°F by Pensky Martins C.C.  
Lower Flammable Limit: 3.2 %  
Lower Flammable Limit: Not Determined  
Stability: Ignited In Air @ 775°F (413C)  
LD50 (rat): 5000 mg/kg

### Viscosity

1 to 2 CPS in solution

### Packaging

Pail – 5 Gallon – Gross Weight 45 lbs. ea. – 24 pails per pallet  
Drum – 55 Gallon – Gross Weight 500 lbs. ea. – 4 drums per pallet

### Shipping


Motor Class 60  
Hazard Class: Non-Hazardous

### Air Freight available for:

 5 Gallon Pail



### Motor Freight required for:

 55 Gallon Drum

## Technical Specifications

### Description

AV-101 is packaged in plastic or metal containers to minimize contamination by metal ions. Such contamination by metal ions may lead to homo-polymerization of acrylamide grout solutions.

### Mix Ratio and Procedure

- See Mixing instructions when using AV-100 Liquid Blend
- See Mixing instructions when using AV-100 Acrylamide and MBA Emulsion
- See Mixing instructions when using AV-100 Powder Blend
- See Mixing instructions when using AV-118 Duriflex

### Storage

AV-101 Catalyst T+ may be stored in the original unopened container for up to one year.

**NOTE:** Do not store AV-101 and AV-102 in the same proximity. When AV-101 and AV-102 come into contact the reaction will produce an incendiary situation with very thick smoke with the possibility of fire.

### MSDS

Available by request, or download at [www.avantigrout.com/MSDS](http://www.avantigrout.com/MSDS)

### Safety

Product should be used only in well ventilated areas in order to keep the vapor concentration low. Eye contact and repeated skin contact should be avoided. Normal protective clothing such as gloves and goggles are recommended. A self-contained breathing apparatus should be worn in confined spaces where there is little ventilation and vapors are likely to be high.

### First Aid

**Eyes:** Immediately flush eyes with water for 15 minutes. Get medical attention.  
**Skin:** Wash affected area with soap and water. Remove contaminated clothing.  
**Inhalation:** Remove to fresh air. If breathing is difficult, get medical attention.  
**Ingestion:** Drink 2 glasses of water. Call a physician.

Note: Never give anything by mouth to an unconscious or convulsing person.

### Notice

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