



# TRI-CHEM

# 233 MV (3 Gal Bag-Pak™ Unit)

**DESCRIPTION:** 233 MV is a unique two-component, higher viscosity, 100% solids liquid epoxy floor coating formulated for application between 11-20 mils in thickness. 233 HV meets all USDA/FDA guidelines for use in federally inspected facilities.

**PACKAGING:** This container contains 2 heavy-duty Bag-Pak™ plastic bags. The larger bag contains 2 gallon of the Resin, the smaller bag contains 1 gallon of the Hardener. They are packaged in this 4 gallon polypropylene plastic shipping and mixing pail with a "tamper resistant" tear strip lid, ensuring that the product has not been disturbed following its original manufacture and packaging. When combined, the contents of the Hardener and Resin bags will yield a total 3 gallons of mixed 100% solids epoxy floor coating.

**COVERAGE:** This product is typically applied at a rate of approximately 80 to 160 sq. ft. per gallon. As with all coatings, coverage is dependent on the texture and porosity of the sub-surface.

**SURFACE PREPARATION:** The substrate must be clean, dry and sound with new concrete cured for at least 30 days at 70°F. Remove dust, laitance, grease, curing compounds, waxes, foreign particles, animal fats, oils, disintegrated or soft base materials, and any previously applied potentially incompatible coatings. Create a surface profile on concrete by either shot-blasting or mechanically grinding to a minimum CSP-2 profile.

**MIXING:** Empty the Bag-Pak™ of Resin into the mixing vessel. If TRI-CHEM UNIVERSAL COLORANT is to be added pour up to one full Bag-Pak™ of COLORANT into the Resin and power mix with spiral style mixing blade at low speed (300 RPM) until a homogeneous color is achieved. Next, empty the Bag-Pak™ of Hardener into the Resin and power mix with spiral style mixing blade at low speed (300 RPM) for two minutes. Do not entrain air during mixing. Avoid mixing and application of 233 MV if the substrate and/or air temperature are below 60°F or above 85°F, or if the humidity is higher than 75% R.H. The temperature of the substrate, the epoxy, and the air in the area of installation all play a role in cure time (i.e., warmer=faster; cooler=slower). 233 MV should be tack-free and dry before applying additional coatings. This will vary with temperature and humidity, but is normally between 3-4 hours @ 75°F and 50% R.H.

#### APPLICATION:

1. Pour the blended product in ribbons directly onto the prepared substrate. Evenly spread with a flat blade squeegee.
2. Following the squeegee application, to provide a uniform appearance, back-roll in the opposite direction of the squeegee with a quality 3/8" nap non-shed roller. Do not allow to puddle; work the coating out of holes and voids.

**POT LIFE:** At 75°F and 50% R.H., 233 MV has a useful working time of 15 minutes. Using any products beyond this time will result in variable results and therefore any mixed products beyond the pot life should be discarded. Apply all mixed material as quickly as possible.

**TECHNICAL DATA AND SAFETY DATA SHEET AVAILABILITY:** A Technical Data Sheet and Safety Data Sheet are available from TRI-CHEM for this product. Applicators should read and understand both documents prior to mixing and applying this product.

RS19-000	CAS Number
Bisphenol A epoxy resin.....	025085-99-8
Nonylphenol.....	25154-52-3
1-M Solvent Naphtha, Petroleum, Light Aromatic	64742-95-6
1-Methoxy-2-propanol Acetate	108-65-6
Stoddard Solvent (Mineral Spirits)	8052-41-3
1-Methoxy-2-propanol.....	107-98-2

**HMIS: HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0 (0 – Minimal, 4 – Severe Hazard)**

DOT SHIPPING NAME: Epoxy Resin – Not Regulated  
 H245-000 CAS Number  
 Isophoronediamine 2855-13-2  
 Benzyl alcohol 100-51-6  
 DOT SHIPPING NAME: Amines, Liquid, Corrosive, N.O.S., (Cycloaliphatic amine Blend), 8, UN2735, III  
 DOT Hazard Class: Class 8 Hazard Subclass: N.A. DOT I.D. Number: UN2735 Packing Group: III  
 Acute Oral Toxicity, Category 2 Skin Corrosion, Category 1C Serious Eye Damage, Category 2A  
 Aspiration Hazard, Category 2 Acute Aquatic Hazard, Category 3

#### SIGNAL WORD: Danger

Hazard-determining components of labeling: Benzyl Alcohol  
 Hazard Statements  
 H317 May cause an allergic skin reaction  
 H304 May be fatal if swallowed and enters airways  
 H412 Harmful to aquatic life with long lasting effects  
 H335 May cause respiratory irritation  
 H314 Causes severe skin burns and eye damage

#### Precautionary Statements

P273 Avoid Release to the Environment  
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue Rinsing.  
 P310 Immediately Call a POISON CENTER or doctor/physician.

#### GENERAL ADVICE:

Consult a physician. Show this safety data sheet to physician in attendance.  
 EYES: Hold eyelids open and flush with plenty of water for at least 20 minutes. Get Medical Attention.  
 SKIN: Remove product and flush with plenty of water for at least 20-30 minutes. Contact a physician if irritation develops or persists. Wash with soap and water. Remove contaminated clothing immediately, wash before next use, and discard any items too difficult to clean.  
 INGESTION: DO NOT INDUCE VOMITING! Call a physician or poison control center immediately. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person.  
 INHALATION: Consult a physician. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**HANDLING:** Handle in a well-ventilated workspace. Empty containers may contain explosive vapors. Flush empty containers with water to remove residual flammable liquid vapors. Ground all containers during material transfer. Avoid breathing dust, vapor or mist. Avoid contact with eyes. Avoid contact with skin or clothing.

**STORAGE:** Keep from freezing. Keep container closed when not in use. Keep container in a cool, well-ventilated place. Keep away from food, drink, and animal feed stuffs. Keep away from ignition sources and other incompatibilities. Store in original container or a container very similar to that of the original.

**DISPOSAL METHOD:** The generation of waste should be avoided or minimized wherever possible. Do not dispose of with household waste. Do not dispose of in landfill. Do not allow contact with sewers or waterways. Comply with all Federal, State and Local regulations. Incinerate in admixture with fuel equipped with a scrubber to remove nitrogen oxides and carbon monoxide. Disposal of in permitted waste management facility if incineration or landfill is not practicable.



KEEP OUT OF THE REACH OF CHILDREN

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