

## Hardener HSC 9228

### (High viscous modified amine curing agent)

**Product Description** HSC 9228 is high viscous modified amine curing agent. It is used in combination with unmodified/modified liquid epoxy resins for Adhesive applications. It offers medium pot life, good wetting ability and high viscosity.

**Features**

- Low color and color stability
- Medium pot life with good curing characteristics

**Applications** Suitable for formulating adhesives with various choice of resins.

#### Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Clear liquid
Color	Gardener	ASTM D1544	Max 1
Viscosity at 25 °C	mPas	ASTM D2196	60,000-80,000
Density	g/cc	ASTM D1475	1.02-1.04
AHEW	g/eq	NA	185

Mix Properties	Units	Reference Standard	Value
Mix ratio with Epoxy Resin of EEW~185	Pbw	NA	100:100
Pot life (100 g) at 25 °C	Minutes	ASTM D2471	60-80
HTP: HSCL Testing Procedure			
NA : Not Applicable			

#### Processing and Storage

**Packaging** HSC 9228 available in bulk packing of drums and container in packing size of 200 kg HDPE drums and 30 kg HDPE carboy.

**Safety & Handling** Following instructions needs to be followed strictly.  
 Keep working conditions clean. Allow fresh air in, if possible, provide ventilator. Avoid contact with human body directly, wear gloves and other personal protective equipment especially dust masks or respirators. Wash hands carefully with soap. If possible, wash with acetone and alcohol first, then soap and water.  
 In case of eye contact, wash with running water for 15 minutes and then seek medical treatment.  
 Refer MSDS for better instruction on Safety & Handling.

**Storage  
Conditions**

HSC 9228 should be stored at room temperature free of moisture, in the original containers kept tightly closed at temperatures between 5-35°C. Container once opened should be tightly closed to avoid contamination by foreign materials. The shelf life for hardener HSC 9228 is 12 months from date of manufacturing.

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**Disclaimer**

All recommendations for use of our products, whether given by us in writing, verbally or to be implied from results of tests carried out by us are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility. Therefore, the Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

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