

## Hardener HSC 9211

### (Low viscous curing agent)

**Product Description** HSC 9211 is liquid aliphatic polyamine adduct curing agent. It is used in combination with standard unmodified liquid epoxy resins, offers a short pot life and cures at a rapid speed. It is used for various applications like bonding, fuel resistance etc. with HSCL brand resins.

**Features**

- Its offer short pot life
- It uses for various application like bonding, Fuel resistance etc.

**Applications** Various including bonding with Resin HSC 7100, fuel resistance with Resin HSC 7110 and as accelerator with various polyamides and polyamidoamine.

#### Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Clear Yellow Liquid
Color	Gardener	ASTM D 1544	Max 12.
Viscosity at 25°C	mPas	ASTM D 2196	200-800
AHEW	g/eq	NA	36

Mix Properties	Units	Reference Standard	Value
Mix ratio with Epoxy Resin of EEW~185	Pbw	NA	100:18
Mix viscosity at 25°C	mPas	ASTM D2196	~3000
Pot life (100 g) at 25°C	Minutes	HTP-16	10-15
Cured Schedule	NA	NA	As per Application

HTP : HSCL Testing Procedure

NA : Not Applicable

#### Processing and Storage

**Packaging** HSC 9211 available in bulk packing of drums and container in packing size of 200 kg and 30 kg.

**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 9211 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 9211 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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