



HSC 4110 (Reactive Diluent)

Product Description

HSC 4110 is aliphatic mono-functional epoxy glycidyl ether of C-12-C-14 fatty alcohol. It assists in reducing the viscosity of basic liquid resin, facilitates better non-yellowing compared to aromatic reactive diluent and increases the working time of epoxy formulations. Assists in very good surface wetting and overall low odour.

Features

- Improves wetting and processability.
- Low surface tension and good levelling.
- Provides very good flexibility.
- Efficiently Viscosity reducer and Relatively low health risk due to its low vapour pressure.

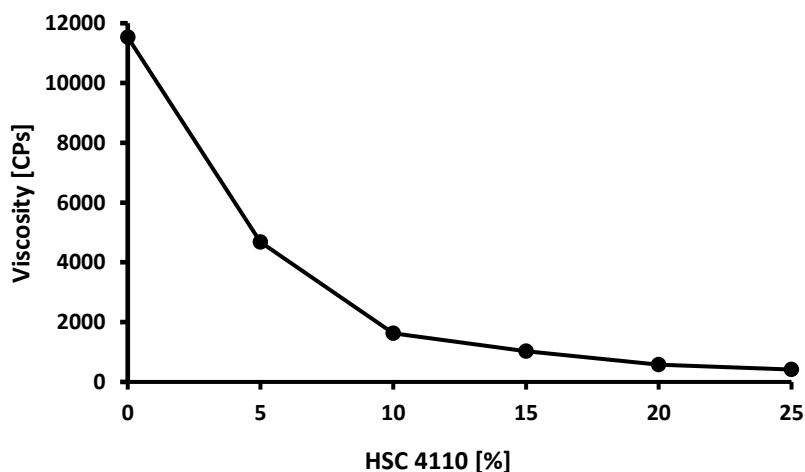
Applications

- Epoxy flooring top coats.
- Adhesives, metal and concrete primers.
- Structures, electronic encapsulation.
- FRP composites, potting, tooling and structural adhesives.

Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Clear Liquid
Colour	Gardener	ASTM D1544	Max 1
Viscosity @ 25°C	mPas	ASTM D2196	2-20
Epoxy Equivalent Weight	gm/eq.	ASTM D1652	270-310
HTP: HSCL Testing Procedure			

Typical Dilution Curve with HSC Liquid Epoxy Resin (LER)



Processing and Storage

Packing	HSC 4110 is available in bulk packing of drums, IBC's and container. For handling and pumping the maximum temperature shall not exceed 80°C.
Safety & Handling	<p>Following instructions needs to be followed strictly.</p> <p>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. 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.</p> <p>Refer MSDS for better instruction on Safety & Handling.</p>
Storage Conditions	Components should be stored away from light & heat. Partly emptied containers should be tightly closed immediately after use to avoid exposure to air and light. For information on waste disposal and hazardous products of decomposition in the event of a fire, refer to the Material Safety Data Sheets (MSDS) for these particular products. The shelf life of HSC 4110 is 24 months.

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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