

Technical Data Sheet

EPIKURE™ Curing Agent P-201 P-202

Product Description

EPIKURE Curing Agents P-201 and P-202 are phenolic hydroxyl terminated solid flaked curatives for functional and decorative epoxy powder coatings. EPIKURE Curing Agent P-202 contains 2-methylimidazole that functions as an accelerator to reduce the cure cycle. EPIKURE Curing Agent P-201 contains no accelerator.

Benefits

- Both EPIKURE Curing Agents P-201 and P-202 are extremely clean. This is achieved by incorporating special process techniques that include filtration of the product.
- The two curatives are packaged to minimize moisture pick-up.

Sales Specifications

		P-201	P-202	
Property	Units	Value	Value	Test Method/Standard
Phenolic Hydroxyl	eq/100g	0.36 – 0.40	0.37 – 0.41	SMS 2390
Melting Point	°C	75 – 85	65 – 75	SMS 2868
Color ¹	Pt-Co	100 max.	100 max.	ASTM D1209
Water	% wt.	0.3 max.	0.3 max.	SMS 2777

¹ Determined on a 40% by weight solution in MEK.

Typical Properties

		P-201	P-202	
Property	Units	Value	Value	Test Method/Standard
Viscosity at 25°C ¹	cP	5.5 – 8.5	5.5 – 8.5	ASTM D445
Hydrolyzable Chlorine	% wt.	0.015 max.	0.015 max.	ASTM D1726
Moisture	% wt.	<0.3	<0.3	
Density ²	g/cm	1.18	1.18	

EPIKURE Curing Agent P-201 P-202

<https://www.hexion.com/en-US/product/epikure-curing-agent-p-201-p-202>

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2-Methylimidazole	% wt.	none	2.0 ±0.1	
Physical Form		Flakes	Flakes	

¹Determined on a 40% by weight solution in MEK.

² Powder Coating Institute (PCI) recommended procedure #4, Density of Powder Coating Materials.

General Information

Table 1 / Suggested curing agent levels for selected epoxy resins

	Parts per 100 parts of EPON Resin ¹	
	EPIKURE Curing Agent P-201	EPIKURE Curing Agent P-202
EPON™ Resin 2002	36.9	28.4
EPON Resin 2004	28.6	22.1
EPON Resin 2014	33.1	25.5

¹ The values are based on the mid-range of the equivalent weight specification for each epoxy resin and curing agent. In the case of the uncatalyzed EPIKURE Curing Agent P-201, a 100% stoichiometric reaction is assumed. With EPIKURE Curing Agent P-202, 80% of the stoichiometric level is recommended to compensate for epoxy homopolymerization that occurs in the presence of the contained catalyst.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Please refer to the Hexion web site for Shelf Life and recommended Storage information.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion Specialty Chemicals, Inc. ("Hexion") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

Packaging

EPIKURE Curing Agent P-201 P-202
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Available in fiber drum quantities.

Contact Information

For product prices, availability, or order placement, call our toll-free customer service number at:

1-877-859-2800

For literature and technical assistance, visit our website at: www.hexion.com

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