

Innovative Epoxy Curing Agent

# 1,3-BAC

*Excellent Curing even in **Hot & Humid Conditions***

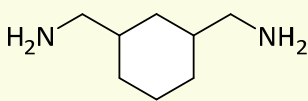
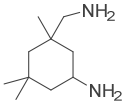
Epoxy Hardener Raw Material



## 1,3-BAC Advantages

- **Excellent UV Resistance & Clarity**
- **Excellent Curing even at High Temperature & High Humidity**
- **Cost saving** through material reduction

## Structure and Property

	1,3-BAC (MGC) 	IPDA 
Molecular Weight	142.2	170.3
AHEW / phr	<b>35.6 / 19.1 g</b> (Cost Saving)	42.6 / 22.9 g
Freezing Point	<b>&lt; -70 °C</b> (*)	10 °C
Viscosity (25°C)	<b>9.1 mPa·s</b>	18 mPa·s

(\*): avoid unnecessary heating in winter



## Typical Applications

# 1,3-BAC provides Excellent UV Resistance and Clarity



## Hot & Humid Conditions: *Excellent Curing Performance*

		1,3-BAC Adduct	IPDA Adduct
Dryness (1 day)		★★★★★ Excellent	★★★★★ Excellent
Appearance (7 days)		★★★★★ Excellent	★★★ Fair
Water Spotting Resistance	1 day	★★★★★ Excellent	★★★ Fair
	7 days	★★★★★ Excellent	★★★ Fair
Pencil hardness	1 / 4 / 7 days	H / H / H	H / H / H
Pot Life (30 °C, 300 g)		22 min	45 min

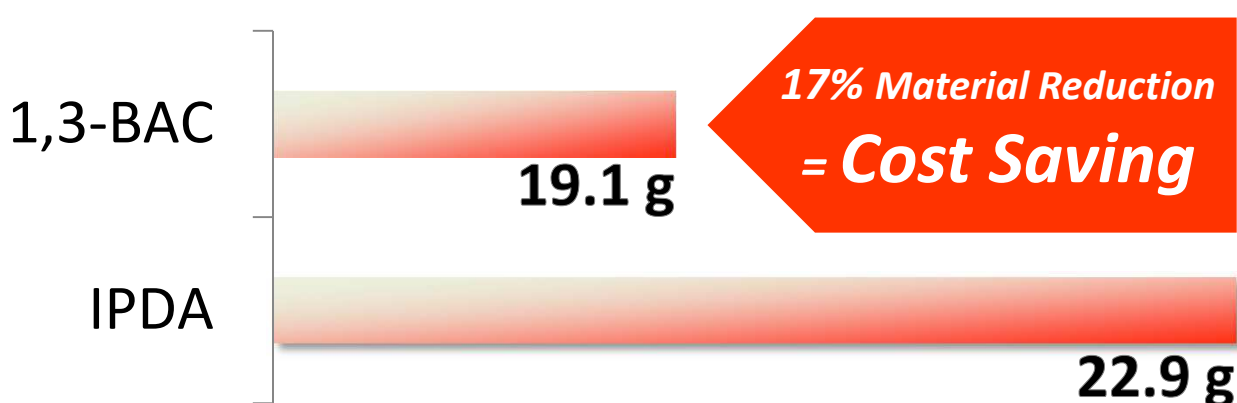
Curing Condition: 30°C, 80%RH

Epoxy Resin: Bisphenol A Type ( jER828 )

Pencil hardness: (hard) 2H>H>F>HB>B>2B>3B>>>6B (soft)

## Cost Savings: *Lower AHEW*

Lower AHEW means less material... which equals  
**17% Cost Saving**



Phr (Added Weight in 100 g Standard Epoxy Resin)

Epoxy Resin: BisphenolA Type(jER828)

## Contact Information

[www.aromaticchemicals.com](http://www.aromaticchemicals.com)



### Japan

Mitsubishi Gas Chemical Co., Inc.

Phone: +81-3-3283-4754

E-Mail: mxda@mgc.co.jp

### China

Shanghai Ryoyo Trading Co., Ltd.

Phone: +86-21-5228-0585

E-Mail: fengqiaojie@ryoyotrading.com

### Europe

Mitsubishi Gas Chemical Europe GmbH

Phone: +49-211-363 080

E-Mail: contact@mgc-europe.de

### USA

Mitsubishi Gas Chemical America, Inc.

Phone: +1-212-687-9030

E-Mail: contact@mgc-a.com

### Singapore

Mitsubishi Gas Chemical Singapore Pte. Ltd.

Phone: +65-6224-0059

E-Mail: contact@mgcs.com.sg

### Thailand

MGC Trading Thailand Ltd.

Phone: +66-2-670-3417

E-Mail: contact@mgc.co.th