

# Cardolite<sup>®</sup> NC-371

## CNSL Resin

### Technical Datasheet

#### DESCRIPTION

Cardolite NC-371 is a solvent free, high viscosity resin used as a binder for friction products. Together with hexamine as cross-linking agent, NC-371 provides a heat-curable thermosetting resin system that offers all of the desirable characteristics of impact resistance, flexibility and thermal stability.

#### PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Viscosity @ 25°C (cPs)	15,000 – 40,000	NTM 13
Gel time @ 82°C (min)	25.5 – 35.5	NTM 24
Gel particles (visual), particles/g	≤ 20	NTM 97
Solids (%)	≥ 99	NTM 7
pH	2 – 4,5	NTM 54

PROPERTY	TYPICAL VALUE	TEST METHOD
Shelf Life (Months)	12	-

Typical properties are not to be construed as specifications  
<sup>1</sup>Based on total product weight

#### APPLICATIONS

NC-371 provides excellent strength and high temperature resistance for heavy duty and rail applications.

#### ADVANTAGES

- Provides excellent strength
- Solvent free

#### REGULATORY STATUS

Please refer to the material safety data sheet (MSDS). Specific information regarding chemical inventory listing can be

obtained from your local sales representative.

## SAFETY PRECAUTIONS

Please refer to the material safety data sheet (MSDS). Copies of the MSDS can be requested on the Cardolite website or via your local sales representative.

## STABILITY AND STORAGE

Cardolite products may absorb moisture and carbon dioxide when left in open containers, which could result in increased viscosity, discoloration, reduction of reactivity, and/or crystallization of the products. These products should be kept tightly sealed in their original containers when not in use, and stored in a cool, dry place.

## CONTACT INFORMATION



<http://www.cardolite.com>

Cardolite Corporation  
500 Doremus Avenue  
Newark, NJ 07105  
United States of America

T: +1-973-344-5015

Cardolite Specialty  
Chemicals Europe NV  
Wijmenstraat 21K / 2  
B-9030 Mariakerke (Gent)  
Belgium

T: +32 (0) 92658826

Cardolite Specialty Chemicals  
India Pvt. Ltd.  
Plot No. IP-1 & IP-2, Mangalore  
Special Economic Zone  
Bajpe, Mangalore 574 142,  
India

T: + 91 (0) 824 4289 777

Cardolite Chemical Zhuhai Ltd.  
Biyang Road  
Harbor Industrial Zone  
Zhuhai, Guangdong 519050  
P.R. China

T: +86-756-726-9066

## DISCLAIMER & COPYRIGHT

All statements, technical information and recommendations contained herein are based on tests Cardolite believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Actual test method procedures may differ from listed standards; major differences are noted. Limitation of liability and remedy: Purchase or use of these products constitutes an agreement with seller and manufacturer that, if the product proves to be defective or unsuitable, seller's and manufacturer's liability and the exclusive remedy, regardless of tort or contract theory or of incidental or consequential damages shall be to receive, at seller's or manufacturer's option, an equivalent quantity of replacement product or a refund of the purchase price. This datasheet is copyrighted to Cardolite Corporation and may be reproduced but not altered in any way.