

Chemical Safety Overview for Dymax Adhesives and Resins

Dymax adhesives and resins have been used successfully for over 30 years. The fast-cure, no-mix, environmentally and worker-friendly nature of Dymax adhesives and resins appeals to many manufacturers.

As with all chemicals, appropriate handling procedures and personal protection equipment should be considered prior to using Dymax adhesives and resins. Material Safety Data Sheets (MSDS), available from Dymax, provide detailed safety information related to each specific product. In cases where a specific product has not yet been selected, this document can provide an overview of the following topics as they generally relate to Dymax adhesives and resins.

<Skin Contact>

<Eye Protection>

<Inhalation>

Please reference the appropriate MSDS or contact your Dymax representative for safety information related to a specific product. In the case of an emergency, please contact Dymax immediately at 860-482-1010 or CHEMTREC at 800-424-9300. Please consult with the appropriate supplier(s) for safety considerations related to all other chemicals used in your facility.

SKIN CONTACT

The most common job-related skin condition, contact dermatitis, is caused by repeated contact with irritants like solvents, soaps, detergents, oils, greases, and metalworking fluids. The symptoms of contact dermatitis include swelling, blisters, and red, itchy, dry, cracked skin. Repeated skin contact with some Dymax materials may cause some individuals to develop contact dermatitis. For this reason, it is important that operators avoid skin contact when working with Dymax materials. Prompt washing with soap and water is recommended if skin contact occurs.

Most cases of contact dermatitis involve the hands and so proper hand protection (gloves), in addition to impervious clothing, is strongly recommended. Many different types of hand protection are available that will offer an effective barrier against Dymax materials. At Dymax, disposable, powder free, nitrile gloves are used when working with Dymax materials*. These fitted, flexible gloves offer resistance to Dymax adhesives and resins while maintaining manual dexterity. Refer to the chart below for more information on glove suppliers**.

COMPANY	PRODUCT	TELEPHONE NUMBER
VWR International www.vwr.com	MICROGRIP Purple Nitrile Powder-Free Gloves X-Small.....Box of 100.....P/N 40101-440 Small.....Box of 100.....P/N 74395-344 Medium.....Box of 100.....P/N 74396-346 Large.....Box of 100.....P/N 74397-348 X-Large.....Box of 100.....P/N 74398-350	800-932-5000
Moore Medical www.mooremedical.com	Powder-Free Nitrile Exam Gloves Small.....Box of 100.....P/N 74395 Medium.....Box of 100.....P/N 74396 Large.....Box of 100.....P/N 74397 X-Large.....Box of 100.....P/N 74398	800-234-1464

*Where Dymax recommends nitrile gloves to protect against exposure to our products, there is no guarantee that they will provide protection against any other chemicals. To determine their compatibility with other chemicals, please consult their specific MSDS.

**Nitrile gloves (and other personal protection equipment) are available from many safety equipment suppliers. The contact information for VWR International and Moore Medical are provided for your convenience.

Gloves should be replaced every few hours (or sooner) as needed. After gloves are removed, do not re-use them; discard them and replace with a new pair. Punctured or torn gloves should be replaced immediately. For more complete protection, barrier hand creams containing lanolin or polyethylene gloves can be applied and/or worn beneath the nitrile gloves. Polyethylene gloves alone, while offering superior chemical resistance, are not form fitting and may affect operator dexterity.

Please consult the appropriate MSDS and your company's health and safety department before using Dymax materials. For more information on skin protection, contact Dymax Applications Engineering.

EYE PROTECTION

The use of eye protection is strongly recommended when working with all chemicals, Dymax resins included, and when using UV/Visible light-curing systems. See Lit133 - UV Lamp Safety Considerations to learn more about our line of UV-blocking eye protection (both clear and tinted are available). Full-face shields are recommended when the potential for splashing exists.

INHALATION

Most industrial chemicals, Dymax materials included, contain ingredients that might be harmful if inhaled in sufficient concentration. Positive fresh-air ventilation and negative exhaust are required if uncured Dymax material is sprayed, heated, or applied in a small, confined area. Heating cured material above its upper thermal limit (listed on each product data sheet) may also require ventilation. Please consult with the appropriate MSDS for detailed worker safety information regarding inhalation of a specific Dymax product.



© 2005-2010 Dymax Corporation. All rights reserved. All trademarks in this guide, except where noted, are the property of, or used under license by Dymax Corporation, U.S.A.

The data contained in this bulletin is of a general nature and is based on laboratory test conditions. Dymax does not warrant the data contained in this bulletin. Any warranty applicable to the product, its application and use is strictly limited to that contained in Dymax's standard Conditions of Sale. Dymax does not assume responsibility for test or performance results obtained by users. It is the user's responsibility to determine the suitability for the product application and purposes and the suitability for use in the user's intended manufacturing apparatus and methods. The user should adopt such precautions and use guidelines as may be reasonably advisable or necessary for the protection of property and persons. Nothing in this bulletin shall act as a representation that the product use or application will not infringe a patent owned by someone other than Dymax or act as a grant of license under any Dymax Corporation Patent. Dymax recommends that each user adequately test its proposed use and application before actual repetitive use, using the data contained in this bulletin as a general guide.

LIT077 10/26/2005

Dymax Corporation
860.482.1010
info@dymax.com
www.dymax.com

Dymax Oligomers &Coatings
860.626.7006
oligomers&coatings@dymax.com
www.dymax-oc.com

Dymax Europe GmbH
+49 (0) 611.962.7900
info_de@dymax.com
www.dymax.de

Dymax UV Adhesives & Equipment (Shenzhen) Co Ltd
+86.755.83485759
dymaxasia@dymax.com
www.dymax.com.cn

Dymax UV Adhesives & Equipment (Shanghai) Co Ltd
+86.21.37285759
dymaxasia@dymax.com
www.dymax.com.cn

Dymax Asia (H.K.) Limited
+852.2460.7038
dymaxasia@dymax.com
www.dymax.com.cn

Dymax Korea LLC
82.2.784.3434
info@dymax.kr
www.dymax.co.kr