

DYNALOY

A subsidiary of Eastman Chemical Company

Technical tip

DynaStrip™ DL9150
Non-TMAH
Multi-purpose Photoresist
and Post Etch Residue Remover

DynaStrip DL9150

Multi-purpose photoresist and residue remover

DynaStrip™ DL9150 is a cutting edge technology that yields optimal clean surface results without using hydroxyl amine or tetramethyl ammonium hydroxide (TMAH) . DynaStrip DL9150 combines outstanding cleaning with metal compatibility while raising the bar for environmental , health and safety (EH&S) compliance.

Cleaning process applications

Post silicon DRIE residue removal

Liquid or Dry Film photoresist removal

- Cu pillar process
- Electroplated Pb free solder bump

Advantages

- Rapid dissolution of crosslinked photoresist
- Outstanding compatibility with Cu, Sn, Ag
- Fit for use with exposed polyimide

Storage

Store in a temperature controlled area (23 - 27°C). Keep container tightly closed. Product left open to air will absorb moisture which can result in decreased product performance.

Photoresist materials removed

- Post Bosch process residues
- JSR THB 151N
- JSR THB 387N
- AZ4620
- Asahi CX A270

Typical parameters

- Bath Makeup: 100% (no dilution)
- Process temperature: 50°- 80°C
- Process strip time: 30 – 60 min
- Rinse: DI water, IPA or alternate solvent

Material compatibility

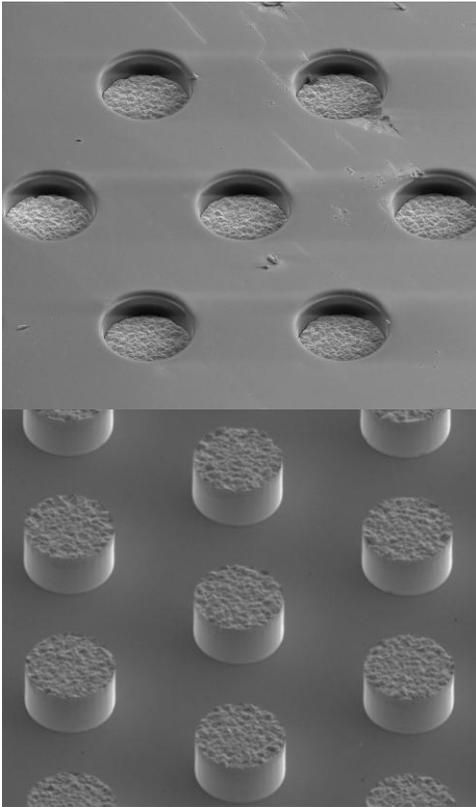
Recommended materials including

- Stainless Steel
- HDPE and polypropylene
- Quartz

Avoid materials including

- PVC
- Viton™
- Silicone

Typical Results



Before Strip

After Strip Result

Typical metal etch rates

- Etch rates determined by sheet resistance testing
- Process temp: 70°C
- Process time: 30 min

DynaStrip DL9150

Metal	Å/min
Cu	<10
Al	<5



**Eastman Chemical Company
Corporate Headquarters**

P.O. Box 431
Kingsport, TN 37662-5280 U.S.A.

Telephone:
U.S.A. and Canada, 800-EASTMAN (800-327-8626)
Other Locations, (1) 423-229-2000
Fax: (1) 423-229-1193

Eastman Chemical Latin America

9155 South Dadeland Blvd.
Suite 1116
Miami, FL 33156 U.S.A.

Telephone: (1) 305-671-2800
Fax: (1) 305-671-2805

Eastman Chemical B.V.

Fascinatio Boulevard 602-
614 2909 VA Capelle aan
den IJssel The Netherlands

Telephone: (31) 10 2402
111 Fax: (31) 10 2402 100

**Eastman (Shanghai) Chemical
Commercial Company, Ltd. Jingan Branch**

1206, CITIC Square
No. 1168 Nanjing Road (W)
Shanghai 200041, P.R. China

Telephone: (86) 21 6120-8700
Fax: (86) 21 5213-5255

Eastman Chemical Japan Ltd.

MetLife Aoyama Building 5F
2-11-16 Minami Aoyama
Minato-ku, Tokyo 107-0062 Japan

Telephone: (81) 3-3475-9510
Fax: (81) 3-3475-9515

Eastman Chemical Asia Pacific Pte. Ltd.

#05-04 Winsland House
3 Killiney Road
Singapore 239519

Telephone: (65) 6831-3100
Fax: (65) 6732-4930

www.eastman.com
www.dynaloy.com

Dynaloy, LLC

6445 Olivia Lane
Indianapolis, IN 46226 U.S.A.

Telephone: (1) 317-788-5694
U.S. only: 800-669-5709

Material Safety Data Sheets providing safety precautions that should be observed when handling and storing Eastman products are available online or by request. You should obtain and review the available material safety information before handling any of these products. If any materials mentioned are not Eastman products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

Neither Eastman Chemical Company nor its marketing affiliates shall be responsible for the use of this information or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. NO WARRANTY IS MADE OF THE MERCHANTABILITY OR FITNESS OF ANY PRODUCT, AND NOTHING HEREIN WAIVES ANY OF THE SELLER'S CONDITIONS OF SALE.

Eastman is a trademark of Eastman Chemical Company.

Dynastrip is a trademark of Dynaloy, LLC.

All other brands are the property of their respective owners.

Dynaloy, LLC is a subsidiary of Eastman Chemical Company.

© Eastman Chemical Company, 2012.