

MATERIAL SAFETY DATA SHEET



Product Name: **Bondline 6460**
Chemical Name: Epoxy-amine
Preparation Date: 12/3/1996
Revision Date: 2/4/2004
Revision: E

Section 1: Identification

Bondline Electronic Adhesives
756 N. Pastoria Avenue
Sunnyvale, CA 94085
Telephone: 408-830-9200 Fax: 408-830-9266
Web: www.bondline.net

Section 2: Hazardous Ingredients & Section 313 Supplier Notification

<u>Hazardous Material</u>	<u>Cas Number</u>	<u>%</u>	<u>TLV per ACGIH^{1,3}</u>	<u>Exposure Limit PEL^{2,3}</u>	<u>Codes</u>
Modified Epoxy Resin	5026-74-4	60-70%	N/A	N/A	H
Polyoxypropylenediamine	9046-10-0	30-40%	N/A	N/A	H

Hazard Codes

C = Carcinogen (OSHA,NTP,IARC)

H= Hazardous (OSHA)

P= California Prop 65 (Carcinogen)

A= Superfund Amendments Reauthorization Act(SARA)

1= TLV means threshold limit values.

2= PEL means Permitted exposure limit set fourth by OSHA.

3= All exposure limits in mg/m3 values for airborne dust.

a= mmpcf million particles per cubic foot of air.

b= respirable.

ACGIH= The American Conference of Governmental Industrial Hygienists

TWA= TWA means 8 hour time weighted average.

Section 3: Physical Data

Boiling point	N/A
Vapor pressure @ 25°C	<1
Vapor density (Air = 1)	N/A
Solubility in H ² O	low
Appearance	Amber, low viscosity liquid
Specific gravity	1.1
% Volatile by weight	<1
Evaporation rate	N/A
Odor	Mild

Section 4: Fire and Explosion Hazard Data

Flash point	>95°C
Flammable Limits in Air	Not Tested
Extinguishing media	Carbon dioxide, dry chem, foam, water fog
Unusual fire & Explosion Hazd.	Toxic fumes may be evolved upon exposure to heat or open flame. Exothermic reaction can occur in large masses.
Special fire fighting procedure	Self contained breathing apparatus and protective clothing should be worn.

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Section 5: Health and Hazard Information

Bondline 6460

Effects of overexposure

Inhalation May be harmful if inhaled. Can cause irritation to the nose, throat and respiratory tract, and nausea.
Eye contact Can cause severe irritation to the eyes.
Skin Contact Irritation upon direct contact. Prolonged exposure may result in skin sensitization. Wash skin thoroughly with soap and water.

First aid & Emergency procedure

Eye contact Flush with water for at least 15 minutes, can cause severe irritation to the eyes. Seek medical attention.
Skin contact Wash immediately with soap and water
Inhaled Remove to fresh air immediately.
Ingestion Seek medical attention immediately and show MSDS.
Suspected cancer agent Product is not considered to be carcinogenic.

Section 6: Reactivity Data

Stability Unstable, Will harden at room temperature.
Incompatibility (materials to avoid) Strong oxidizing agents
Conditions to avoid Excessive heat or flames
Haz. decomposition products Carbon monoxide, acids, aldehydes
Hazardous polymerization May occur

Section 7: Spill, leak and disposal procedures

Spill or leak Use paper towels to wipe up epoxy. Epoxy will harden at room temperature.
Waste disposal method Cure epoxy (see data sheet) Can be disposed in land fill.

Section 8: Special protection information

Ventilation Local exhaust is preferred. Use material in a well ventilated work area.
Eye protection Safety goggles.
Gloves Rubber gloves or finger cottles.
Respiratory protection Use NIOSH approved dust mask, or NIOSH approved organic respirator if needed.
Curing ovens vent to outdoors

Section 9: Special precautions

Storage and handling Refrigerated storage at -40°C or colder is required.
Shelf life 1 year when stored at -40°C or colder.

Section 10: Regulatory Information

SARA/TITLE III-Toxic Chemicals List: This product contains chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 part 372.

Cas Number %

TSCA Inventory Status: Chemical components listed on TSCA Inventory

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