

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Durabond U04FL Urethane Adhesive  
 Item number: Part B Part of kit: 29342  
 Product Type: Adhesive  
 Company Address: Loctite Corporation  
 1001 Trout Brook Crossing  
 Rocky Hill, Connecticut. 06067  
 Medical Emergency Number: (860) 571-5100  
 Fax: (860) 571-5465

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	%	Exposure Limits
Trimethylolpropane poly(oxypropylene)triamin	39423-51-3	5-10	Not established.
Ethylene glycol	107-21-1	5-10	CEIL: 100 mg/m3 ACGIH
Polyether polyol		60-80	Not established.
Silica, amorphous, fumed, crystalline-free	112945-52-5	1-5	TWA: 6 mg/m3 OSHA TWA: 3 mg/m3 ACGIH respirable TWA: 10 mg/m3 ACGIH TWA: 6 mg/m3 NIOSH

## 3. HAZARDS IDENTIFICATION

## \*\*\*\*EMERGENCY OVERVIEW\*\*\*\*

PHYSICAL STATE:Liquid. COLOR:Creamy. ODOR: Mild.

DANGER! CAUSES EYE AND SKIN BURNS.  
 MAY CAUSE ALLERGIC SKIN REACTION.  
 MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN.  
 MAY CAUSE RESPIRATORY TRACT IRRITATION

## Potential Health Effects

Eye:  
 Causes eye burns. Blurred vision. Excess tearing. Pain and discomfort. Tissue damage.

Skin:  
 May be harmful if absorbed through skin. Allergic skin reaction. Itching. Rash. Causes skin burns. Pain and discomfort. Tissue damage.

Ingestion:  
 May be harmful if swallowed.

## MATERIAL SAFETY DATA SHEET

Page 02 of 06

Product Name: Durabond® U04FL Urethane Adhes  
Item No.: Part B

## Inhalation:

Moderate respiratory tract irritation. Shortness of breath. Coughing.

## Conditions Aggravated by Exposure:

Respiratory disorders. Skin disorders. Eye disorders.

## Chronic:

Detailed information provided in section 11.

## 4. FIRST AID MEASURES

## Eye:

Immediately flush eyes with plenty of water for at least 15 minutes.  
Get medical attention.

## Skin:

Immediately flush skin with plenty of water (using soap, if available)  
for at least 15 minutes while removing contaminated clothing and shoes.  
Immediately flush skin with plenty of water (using soap, if available).  
Remove contaminated clothing and shoes. Wash clothing before reuse.  
Thoroughly clean shoes before reuse. Get medical attention.

## Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel.  
Never give anything by mouth to an unconscious person. Get medical  
attention.

## Inhalation:

Remove to fresh air. If symptoms develop and persist, get medical  
attention.

## Note to Physician:

None.

## 5. FIRE FIGHTING MEASURES

## Flash Point:

CLOSED CUP : 300.F (149.C). Tagliabue.

## Extinguishing Media:

In case of fire, use water spray (fog), foam, dry chemicals, or CO2.

## Flammable Limits:

Not available.

## Special Fire Fighting Procedures:

Fire fighters should wear positive pressure self-contained breathing  
apparatus (SCBA) and full turnout gear.

## Hazardous Combustion Products:

Oxides of carbon. Oxides of nitrogen. Aldehydes. Ketones.  
Irritating organic fragments.

## Unusual Fire or Explosion Hazards:

None.

## 6. ACCIDENTAL RELEASE MEASURES

## In Case of Spill or Leak:

Soak up with inert absorbent. Store in closed container until  
disposal.

## MATERIAL SAFETY DATA SHEET

Page 03 of 06

Product Name: Durabond® U04FL Urethane Adhes  
Item No.: Part B

## 7. HANDLING AND STORAGE

## Handling:

Do not swallow. Do not get on skin. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Do not get in eyes. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

## Storage:

Keep container tightly closed. Keep in a cool and well-ventilated area.

For information on product shelf life, contact Loctite Customer Service at 1(800)243-4874

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Engineering Controls:

Use local exhaust ventilation if the potential for airborne exposure exists.

## Eye/Face Protection:

Chemical splash goggles or safety glasses with side shields. Full face shield should be used if the potential exists for splashing or spraying of product.

## Skin Protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## Respiratory Protection:

Use NIOSH approved respirator if there is potential to exceed any exposure limit(s).

See Section 2 COMPOSITION/INFORMATION ON INGREDIENTS for exposure limits

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Creamy.
Material State:	Liquid.
Odor:	Mild.
Boiling point:	387.F (197.C)
pH:	Not applicable.
Solubility in Water:	Slightly soluble
Specific gravity:	1.0696
VOC:	Not available.
Vapor Pressure:	Not available.
Vapor density:	Not available.
Evaporation Rate:	Not available.

## MATERIAL SAFETY DATA SHEET

Page 04 of 06

Product Name: Durabond® U04FL Urethane Adhes  
 Item No.: Part B

## 10. STABILITY AND REACTIVITY

## Stability:

Stable.

## Conditions to Avoid:

None known

## Incompatibility:

Reducing agents, Acids, Alkalis. Epoxy resins

## Hazardous Polymerization:

Will not occur.

## Hazardous Decomposition Products:

None known

## 11. TOXICOLOGY INFORMATION

## Product Toxicology Data:

Not available.

Ingredient	Carcinogen		
	NTP	IARC	OSHA
Trimethylolpropane poly(oxypropylene)triamine	No	No	No
Ethylene glycol	No	No	No
Polyether polyol	No	No	No
Silica, amorphous, fumed, crystalline-free	No	N/A	No

## Key to abbreviations:

IARC N/A - Not applicable.

Ingredient	Health Effects/Target organs
Trimethylolpropane poly(oxypropylene)triamine	No Records.
Ethylene glycol	Blood. Bone marrow. Central nervous system. Developmental. Eyes. Irritant. Kidney. Liver. Metabolic.
Polyether polyol	No target organs.
Silica, amorphous, fumed, crystalline-free	Nuisance dust

## 12. ECOLOGICAL INFORMATION

## Ecological Information:

None known

## 13. DISPOSAL CONSIDERATIONS

## Recommended Method of Disposal:

Dispose according to EPA and local governmental regulations.

## MATERIAL SAFETY DATA SHEET

Page 05 of 06

Product Name: Durabond® U04FL Urethane Adhes  
Item No.: Part B

EPA Hazardous Waste Number:  
Not applicable.

## 14. TRANSPORTATION INFORMATION

Domestic Transportation (D.O.T. 49 CFR)-GROUND

## Shipping Description:

Shipping name: (More than four liters) Amines, liquid, corrosive,  
n.o.s. ( Trimethylolpropane poly(oxypropylene)triamine)  
Class/Division: 8  
IDENTIFICATION Number: UN2735  
Packing group: III

## Exceptions:

(Not more than four liters) Consumer Commodity ORM-D

International Air Transportation (ICAO/IATA)-

## Shipping description:

Shipping name: Amines, liquid, corrosive, n.o.s. (Trimethylolpropane  
poly(oxypropylene)triamine)  
Class/Division: 8  
Identification Number: UN2735  
Packing group: III

## Exceptions:

None.

Marine pollutant:

None known

## 15. REGULATORY INFORMATION

SARA Title III Section 313 Chemicals:

Ethylene glycol

SARA Title III Section 311/312:

Immediate health hazard, Delayed health hazard

Toxic Substances Control Act:

All components are listed on or are exempt from listing on the Toxic  
Substances Control Act Inventory.

TSCA Section 12(b) annual:

None.

TSCA Section 12(b) one time:

None.

Canadian Inventory Status:

All components are listed on or are exempt from listing on the Canadian  
Domestic Substances List.

California Proposition 65:

This product contains chemicals known to the state of California to  
cause birth defects or other reproductive harm. (Toluene).

## MATERIAL SAFETY DATA SHEET

Page 06 of 06

Product Name: Durabond® U04FL Urethane Adhes  
Item No.: Part B

## 16. OTHER INFORMATION

## NFPA Code:

Health: 3  
Flammability: 1  
Reactivity: 0  
Special: Corrosive

## HMIS Code:

Health: 3 \*  
Flammability: 1  
Reactivity: 0  
Protective Equipment: See Section 8.

Prepared by: Safety, Health and Regulatory Affairs - North America