

MSDS Name: Loctite 3414 Activator 50 ml
 Manufacturer Name: Loctite Corporation
 KIT NUMBER: 32512
 Address:
 Street:1001 Trout Brook Crossing
 City:Rocky Hill
 State:Connecticut
 Zip:06067

Product Codes:
 32512

Components:	
A:	Loctite 3416 Adhesive 50 ml
B:	Loctite 3416 Activator 50ml

ACTIO MSDS ID: 41079

View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION A

Product Name: **Loctite 3416 Adhesive 50 ml**
 Manufacturer MSDS.: A
 Manufacturer Name: Loctite Corporation
 Address: 1001 Trout Brook Crossing
 Rocky Hill Connecticut 06067
 Product Description: Tough Acrylic
 Business Fax: (860) 571-5465
 Emergency Phone: (860) 571-5100
 Health Phone: (860) 571-5100
 Product Codes: A

HMIS

HEALTH	2
FIRE	3
REACTIVITY	2
PPE	

[To Top of page](#)



SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS A

Ingredient Name	CAS#	Ingredient Percent
Thermoplastic polymer EC Index Number: 1		1-10 by Weight
Methyl methacrylate EC Index Number: 1	80-62-6	30-60 by Weight
Elastomeric polymer EC Index Number: 1		1-10 by Weight
Methacrylic acid EC Index Number: 1	79-41-4	1-10 by Weight
Cumene hydroperoxide EC Index Number: 1	80-15-9	1-10 by Weight
Synthetic rubber EC Index Number: 1		1-10 by Weight
Silica, amorphous, fumed, crystalline-free EC Index Number: 1	112945-52-5	0.5-1 by Weight

Synthetic rubber 1-10 by Weight
EC Index Number: 1

Synthetic rubber 1-10 by Weight
EC Index Number: 1

Elastomeric polymer 1-10 by Weight
EC Index Number: 1

Benzenesulfonyl chloride, 4-methyl- 98-59-9 1-10 by Weight
EC Index Number: 1

2,6-Di-t-butyl-p-cresol 128-37-0 1-10 by Weight
EC Index Number: 1

[To Top of page](#)



SECTION 3 : HAZARDS IDENTIFICATION

A

Signal Word: WARNING! FLAMMABLE LIQUID AND VAPOR. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR INHALED. MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION. A

Physical State: Liquid.

Color: Milky white.

Odor: Pungent. Acrylic.

Applies to all ingredients:

Potential Health Effects:

Eye Contact: Moderate eye irritation. Redness. Excess tearing.

Skin Contact: May be harmful if absorbed through skin. Allergic skin reaction. Itching. Moderate skin irritation. Redness.

Inhalation: May be harmful if inhaled. Moderate respiratory tract irritation. Shortness of breath. Coughing.

Ingestion: Toxicity by ingestion is not likely to occur.

Chronic Health Effects: Detailed information provided in section 11.

Aggravation of Pre-Existing Conditions: Respiratory disorders. Skin disorders. Eye disorders.

Thermoplastic polymer :

Methyl methacrylate :

Elastomeric polymer :

Methacrylic acid :

Cumene hydroperoxide :

Synthetic rubber :

Silica, amorphous, fumed, crystalline-free :

Synthetic rubber :

Synthetic rubber :

Elastomeric polymer :

Benzenesulfonyl chloride, 4-methyl- :

2,6-Di-t-butyl-p-cresol :

[To Top of page](#)



SECTION 4 : FIRST AID MEASURES

A

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

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

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

Ingestion: Keep individual calm. DO NOT induce vomiting. Get medical attention.

Note to Physicians: None.

[To Top of page](#)



SECTION 5 : FIRE FIGHTING MEASURES

A

Flash Point: CLOSED CUP : 50.F (10.C)

Flash Point Method: Setflash.

Upper Flammable or Explosive Limit: 12.5%

Lower Flammable or Explosive Limit: 2.1%

Extinguishing Media: Flammable liquid, insoluble in water. Use DRY chemical powder.

Hazardous Combustion Byproducts: Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide Methylene bisphenyl isocyanate Hydrocarbons Smoke Cyclopentanone Butanediol Tetrahydrofuran

Fire Fighting Instructions: Fire fighters should wear positive pressure self-contained breathing

Unusual Fire Hazards: apparatus (SCBA) and full turnout gear.
Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back.

[To Top of page](#)



SECTION 6 : ACCIDENTAL RELEASE MEASURES A

Leak Response: Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away.

[To Top of page](#)



SECTION 7 : HANDLING and STORAGE A

Handling: Keep away from heat, sparks and flame. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or mist. Wash thoroughly after handling.

Storage: Store in a segregated and approved area. Keep in a cool and well-ventilated area. Keep container tightly closed and sealed until ready to use. Store between 87.8 to 113.F (31 to 45.C) For information on product shelf life, contact Loctite Customer Service at 1(800)243-4874

[To Top of page](#)



SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION A

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

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

Eye/Face Protection: Chemical splash goggles or safety glasses with side shields.

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

Ingredient Guidelines

Ingredient: 2,6-Di-t-butyl-p-cresol

Guideline Information: TWA:10 mg/m³ ACGIH;

Ingredient: Benzenesulfonyl chloride, 4-methyl-

Guideline Information: Not established.;

Ingredient: Cumene hydroperoxide

Guideline Information: TWA:1 ppm Other SKIN;

Ingredient: Elastomeric polymer

Guideline Information: Not established.;

Guideline Information: Not established.;

Ingredient: Methacrylic acid

Guideline Information: TWA:70 mg/m³ ACGIH; TWA:20 ppm ACGIH;

Ingredient: Methyl methacrylate

Guideline Information: TWA:50 STEL:100 mg/m³; ACGIH; TWA:100 ppm OSHA; TWA:410 mg/m³ OSHA;

Ingredient: Silica, amorphous, fumed, crystalline-free

Guideline Information: TWA:6 mg/m³ OSHA; TWA:3 mg/m³ ACGIH; respirable; TWA:10 mg/m³ ACGIH; TWA:6 mg/m³ NIOSH;

Ingredient: Synthetic rubber

Guideline Information: Not established.;

Guideline Information: Not established.;

Guideline Information: Not established.;

Ingredient: Thermoplastic polymer

Guideline Information: Not established.;

[To Top of page](#)



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES A

Color: Milky white.

Odor: Pungent. Acrylic.

Physical State: Liquid.

pH: Not applicable.

Vapor Pressure: 3.9 kPa (@ 20.C)

Vapor Density: 3.5 (Air 1)

Boiling Point: 214.F (101.C)

Solubility in Water: Slightly soluble

Specific Gravity: 0.97

Evaporation Point: Not available.

Volatile Organic Compound Content: 1.98%; 1.92 grams per liter (Adhesive and Activator mixed)

[To Top of page](#)



SECTION 10 : STABILITY and REACTIVITY A

Chemical Stability: Stable.

Conditions to Avoid: None known

Incompatibilities with Other Materials: Oxidizing agents, Alkalis, Moisture. Strong acids. Strong bases. oxidizing agents Reducing agent. Ultraviolet radiation Amines

Hazardous Polymerization: May occur. Excessive aging Excessive Heat. Polymerization catalysts. Oxygen-free atmosphere Inhibitor depletion Direct sunlight.

Hazardous Decomposition Products: None known

[To Top of page](#)



SECTION 11 : TOXICOLOGICAL INFORMATION A

Toxicological Paragraph: Not available.

[To Top of page](#)



SECTION 12 : ECOLOGICAL INFORMATION A

Ecological Paragraph: None known

[To Top of page](#)



SECTION 13 : DISPOSAL CONSIDERATIONS A

Waste Disposal: Dispose according to EPA and local governmental regulations.
EPA Waste Number: D001 U162 D003

[To Top of page](#)



SECTION 14 : TRANSPORT INFORMATION A

DOT Shipping Name: Adhesives
DOT Hazard Class: 3
DOT Identification Number: UN 1133
DOT Packing Group: II
DOT Exception: (Single unit less than or equal to 1 Liter) Proper Shipping Name:
Consumer Commodity Class\Division: ORM-D
IATA Shipping Name: Adhesives
IATA UN Number: UN 1133
IATA Packing Group: II
IATA Class: 3
Maritime Pollutant: None known
Comments: Exceptions: Consumer Commodity, Class 9, ID 8000 Not more than 500 ml

[To Top of page](#)



SECTION 15 : REGULATORY INFORMATION A

Applies to all ingredients:

TSCA 8(b): Inventory Status: II components are listed on or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 8(d): Manufacturer Health and Safety Data: TSCA Section 12(b) annual: None. TSCA Section 12(b) one time: 4-Vinylcyclohexane, Ethyl acetate

Section 312 Hazard Category: Fire, Reactive, Immediate health hazard, Delayed health hazard

Section 313 Toxic Release Form: Methyl methacrylate, Cumene hydroperoxide

State: California Proposition 65: This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm (4-Vinylcyclohexane, cydonitrile, Butadiene, Ethyl acrylate, Unknown, Nitrilotriacetic acid).

Canada WHMIS: II components are listed on or are exempt from listing on the Canadian Domestic Substances List.

[To Top of page](#)



SECTION 16 : ADDITIONAL INFORMATION A

HMIS:
Health Hazard: 2 *
Fire Hazard: 3
Reactivity: 2
Personal Protection: See Section 8.
NFPA:
Health: 2
Fire Hazard: 3
Reactivity: 2
Specific Hazard: None
MSDS Author: Safety, Health and Regulatory Affairs - North America

Copyright© 1996-2009 Actio Corporation. All Rights Reserved.

[To Top of page](#)



ACTIO MSDS ID: 41080

View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16