

Revision Number: 007.0 Issue date: 11/30/2017

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE 3621 known as Loctite(R) IDH number: 235130

3621 Chipbonder(R)

Product type: One-part epoxy Item number: 30846
Restriction of Use: None identified Region: United States
Company address: Contact information:

Company address: Henkel Corporation

One Henkel Way

Rocky Hill, Connecticut 06067

Telephone: +1 (860) 571-5100

MEDICAL EMERGÉNCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711

TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887

Internet: www.henkelna.com

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** 

WARNING: CAUSES SKIN IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.

CAUSES SERIOUS EYE IRRITATION.

SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2

#### PICTOGRAM(S)



#### **Precautionary Statements**

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**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been

read and understood. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear

protective gloves, clothing, eye and face protection.

Response: IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. If eye

irritation persists: Get medical attention. Take off contaminated clothing.

Storage: Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local

governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Epichlorohydrin-4,4'-isopropylidene diphenol resin	25068-38-6	20 - 30
Bisphenol-F Epichlorhydrin resin	9003-36-5	20 - 30
4,4'-(1-Methylethylidene) bisphenol reaction products with (Chloromethyl) oxirane, 2-methyl-1H-imidazole, (phenoxymethyl) oxirane, p	134091-76-2	10 - 20
2,3-Epoxypropyl neodecanoate	26761-45-5	10 - 30
Treated fumed silica	67762-90-7	5 - 10
Phenol polymer with formaldehyde, glycidyl ether	28064-14-4	1 - 5
4,4'-lsopropylidenediphenol	80-05-7	0.1 - 1

<sup>\*</sup> Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

## 4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give

artificial respiration. If symptoms develop and persist, get medical attention.

Skin contact: Remove contaminated clothing and footwear. Immediately flush skin with

plenty of water (using soap, if available). If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before

reuse.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty

of water for at least 15 minutes. Get medical attention.

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Give

a conscious person several glasses of water. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical

attention.

Symptoms: See Section 11.

# 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as

turn-out gear. In case of fire, keep containers cool with water spray.

Unusual fire or explosion hazards: None

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Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Acids. Aldehydes. Phenolics.

Hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:** Do not allow product to enter sewer or waterways.

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Clean-up methods: Ensure adequate ventilation. Wear suitable protective clothing, gloves and

eye/face protection. Scrape up spilled material and place in a closed container

for disposal. Flush area with water to remove trace residue.

#### 7. HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

Do not taste or swallow. Do not breathe gas/fumes/vapor/spray. Keep

container closed. Wash thoroughly after handling.

Storage: Keep in a cool, well ventilated area away from heat, sparks and open flame.

Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	HA PEL AIHA WEEL	
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	None	None	None
Bisphenol-F Epichlorhydrin resin	None	None	None	None
4,4'-(1-Methylethylidene) bisphenol reaction products with (Chloromethyl) oxirane, 2-methyl-1H-imidazole, (phenoxymethyl) oxirane, p	None	None	None	None
2,3-Epoxypropyl neodecanoate	None	None	None	None
reated fumed silica  10 mg/m3 TWA		None	None	
Phenol polymer with formaldehyde, glycidyl ether	None	None	None	None
4,4'-Isopropylidenediphenol	None	None	None	None

Engineering controls: Local exhaust ventilation is recommended when general ventilation is not

sufficient to control airborne contamination below occupational exposure

limits.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure

limit(s).

**Eye/face protection:** Safety goggles or safety glasses with side shields.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin

contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:PasteColor:RedOdor:EpoxyOdor threshold:Not available.pH:Not determined

Vapor pressure: < 1.0 mm hg (20 °C (68°F))

Boiling point/range: Not available.

Melting point/ range: Not determined

Specific gravity: 0.95 Vapor density: 0.95

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Flash point: 200 °C (392°F) Closed cup

Flammable/Explosive limits - lower: Not determined

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Flammable/Explosive limits - upper: Not determined Autoignition temperature: Not determined Flammability: Not applicable **Evaporation** rate: Not determined Solubility in water: Not available. Partition coefficient (n-octanol/water): Not available.

**VOC** content: 5.75 %; 54.67 g/I EPA Method 24

Viscosity: Not available. Decomposition temperature: Not available.

## 10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: None under normal processing.

Hazardous decomposition

products:

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Oxides of carbon. Oxides of nitrogen. Acids. Aldehydes. Phenolics. Hydrocarbons.

Incompatible materials: Can react vigorously with strong oxidizing agents, strong Lewis or mineral acids, and strong

mineral and organic bases, especially primary and secondary aliphatic amines. Reacts with

considerable heat release with some curing agents. Mercaptans. Alkalis.

Reactivity: Not available.

Conditions to avoid: Store away from incompatible materials. Heat, flames, sparks and other sources of ignition.

# 11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

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#### **Potential Health Effects/Symptoms**

Inhalation:

May cause respiratory tract irritation. Coughing. Sneezing. Causes skin irritation. May cause allergic skin reaction. Repeated or prolonged contact can Skin contact:

result in drying of skin. Redness. Rash.

Causes serious eye irritation. Blurred vision. Burning sensation. Swelling. Redness. Eye contact:

Ingestion: May be harmful if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects	
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	Allergen, Irritant	
Bisphenol-F Epichlorhydrin resin	None	Allergen, Irritant	
4,4'-(1-Methylethylidene) bisphenol reaction products with (Chloromethyl) oxirane, 2-methyl-1H-imidazole, (phenoxymethyl) oxirane, p	None	No Records	
2,3-Epoxypropyl neodecanoate	None	Irritant, Allergen	
Treated fumed silica	None	Irritant	
Phenol polymer with formaldehyde, glycidyl ether	None	Allergen, Irritant	
4,4'-Isopropylidenediphenol	Oral LD50 (Rat) = 4,100 mg/kg Oral LD50 (Rat) = 3,300 mg/kg Oral LD50 (Mouse) = 5,280 mg/kg Oral LD50 (Mouse) = 2,500 mg/kg Oral LD50 (Mouse) = 4,100 mg/kg	Allergen, Blood, Irritant, Kidney, Reproductive, Spleen	

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Epichlorohydrin-4,4'-isopropylidene diphenol resin	No	No	No
Bisphenol-F Epichlorhydrin resin	No	No	No
4,4'-(1-Methylethylidene) bisphenol reaction products with (Chloromethyl) oxirane, 2-methyl-1H-imidazole, (phenoxymethyl) oxirane, p	No	No	No
2,3-Epoxypropyl neodecanoate	No	No	No
Treated fumed silica	No	No	No
Phenol polymer with formaldehyde, glycidyl ether	No	No	No
4,4'-Isopropylidenediphenol	No	No	No

# 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

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## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:**Not a RCRA hazardous waste.

#### 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated

Hazard class or division:
Identification number:
None
Packing group:
None

International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

Hazard class or division: 9

Identification number: UN 3082 Packing group: III

Exceptions: Up to 30 ml max per inner/primary package when shipped as originally packaged

only

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)

Hazard class or division: 9

Identification number:UN 3082Packing group:IIIMarine pollutant:Epoxy resin

**Exceptions:** Up to 30 ml max per inner/primary package when shipped as originally packaged

only

## 15. REGULATORY INFORMATION

**United States Regulatory Information** 

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

Inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis.

CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
None above reporting de minimis.

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This

product contains a chemical known to the State of California to cause birth defects or other

reproductive harm.

Canada Regulatory Information

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CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances List. All other

components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities.

Please contact Regulatory Affairs for additional details.

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# 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2

Prepared by: Product Safety and Regulatory Affairs

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