

Revision Number: 010.0 Issue date: 11/29/2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

 Product name:
 LOCTITE 3627
 IDH number:
 544029

 Product type:
 One-part epoxy
 Item number:
 37679

 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 EMERGENCY 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

DANGER: CAUSES SKIN IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.

CAUSES SERIOUS EYE DAMAGE.

SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2





#### **Precautionary Statements**

**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. 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.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Epichlorohydrin-4,4'-isopropylidene diphenol resin	25068-38-6	20 - 30
Limestone	1317-65-3	20 - 30
4,4'-(1-Methylethylidene) bisphenol reaction products with (Chloromethyl) oxirane, 2-methyl-1H-imidazole, (phenoxymethyl) oxirane, p	134091-76-2	10 - 20
Phenol polymer with formaldehyde, glycidyl ether	28064-14-4	5 - 10
Trimethylolpropane triglycidyl ether	30499-70-8	5 - 10
2,3-Epoxypropyl neodecanoate	26761-45-5	5 - 10
Treated fumed silica	67762-90-7	1 - 5
4,4'-Isopropylidenediphenol	80-05-7	1 - 5

<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 not breathing, give artificial respiration. If breathing is

difficult, give oxygen. Get medical attention.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). Remove

contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before

reuse.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. 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.

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: Closed containers may rupture (due to build up of pressure) when exposed to

extreme heat.

**Hazardous combustion products:** Oxides of carbon. Oxides of nitrogen. Oxides of silicon. Aldehydes. Phenolics.

Toxic and irritating vapors.

### 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.

Page 2 of 7

Clean-up methods: Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand,

silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls /

Personal Protection" prior to clean up.

### 7. HANDLING AND STORAGE

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

clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do

not taste or swallow. Keep container closed. Refer to Section 8.

**Storage:** For safe storage, store at or below 37.8 °C (100°F)

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	AIHA WEEL	OTHER
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	None	None	None
Limestone	10 mg/m3 TWA Total dust.	5 mg/m3 PEL ctal Respirable fraction. 15 mg/m3 PEL Total dust.		None
4,4'-(1-Methylethylidene) bisphenol reaction products with (Chloromethyl) oxirane, 2-methyl-1H-imidazole, (phenoxymethyl) oxirane, p	None	None	None	None
Phenol polymer with formaldehyde, glycidyl ether	None	None	None	None
Trimethylolpropane triglycidyl ether	None	None	None	None
2,3-Epoxypropyl neodecanoate	None	None	None	None
Treated fumed silica	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.	None	None
4,4'-Isopropylidenediphenol	None	None	None	None

Engineering controls: Provide adequate local exhaust ventilation to maintain worker exposure below

exposure limits.

Respiratory protection: Use a NIOSH approved air-purifying respirator if the potential to exceed

established exposure limits exists.

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

be used if the potential for splashing or spraying of product exists.

**Skin protection:**Use chemical resistant, impermeable clothing including gloves and either an

apron or body suit to prevent skin contact. The use of polyvinyl chloride gloves

is recommended. Silver Shield gloves.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid, Paste
Color: Red
Characteristic

Odor: Characteristic
Odor threshold: Not available.
pH: Not applicable

Vapor pressure:Not available.Boiling point/range:Not available.Melting point/ range:Not available.Specific gravity:1.353

Vapor density: Not available.

Flash point: > 100 °C (> 212°F) Tagliabue closed cup

Flammable/Explosive limits - lower: Not available. Flammable/Explosive limits - upper: Not available. Autoignition temperature: Not available. Flammability: Not applicable **Evaporation rate:** Not available. Solubility in water: Insoluble Partition coefficient (n-octanol/water): Not available. **VOC** content: 0 %; 0 g/l Viscosity: Not available. **Decomposition temperature:** Not available.

### 10. STABILITY AND REACTIVITY

**Stability**: Stable under normal conditions of storage and use.

**Hazardous reactions:** None under normal processing.

Hazardous decomposition

products:

Oxides of carbon. Oxides of silicon. Oxides of nitrogen. Aldehydes. Phenolics. Acids. Calcium

oxide.

Incompatible materials: Strong oxidizing agents. Strong acids. Strong bases. Amines. Mercaptans. Water.

Reactivity: Not available.

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

Direct sunlight. Exposure to moisture.

### 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

Inhalation:

May cause respiratory tract irritation.
Causes skin irritation. May cause allergic skin reaction.
Causes serious eye damage.
May cause gastrointestinal tract irritation if swallowed. Skin contact:

Eye contact:

Ingestion:

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects	
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	Allergen, Irritant	
Limestone	None	Nuisance dust	
4,4'-(1-Methylethylidene) bisphenol reaction products with (Chloromethyl) oxirane, 2-methyl-1H-imidazole, (phenoxymethyl) oxirane, p	None	No Records	
Phenol polymer with formaldehyde, glycidyl ether	None	Allergen, Irritant	
Trimethylolpropane triglycidyl ether	None	Irritant, Allergen	
2,3-Epoxypropyl neodecanoate	None	Irritant, Allergen	
Treated fumed silica	None	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		

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

# 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

#### 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 (Up to 300 ml max per inner/primary package when shipped as

originally packaged only)

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

International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epichlorhydrin

resin) (Up to 300 ml max per inner/primary package when shipped as originally

packaged only)

Hazard class or division:

Identification number: UN 3082 Packing group: Ш

Water Transportation (IMO/IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Proper shipping name:

Epichlorhydrin resin) (Up to 300 ml max per inner/primary package when shipped

as originally packaged only)

Hazard class or division:

Identification number: UN 3082

Packing group: Ш

Bisphenol-A Epichlorhydrin resin Marine pollutant:

#### 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:

CERCLA/SARA Section 311/312:

CERCLA/SARA Section 313:

None above reporting de minimis. Immediate Health

This product contains the following toxic chemicals subject to the reporting requirements of

section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40

CFR 372). 4,4'-Isopropylidenediphenol (CAS# 80-05-7).

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** 

**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.

### **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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