83860-1001

Page 1 of 10

Safety Data Sheet



Issue date: 03/05/2021

MSDS for #83860 - LOCTITE EPOXY

Revision Number: 004.0

#### PRODUCT AND COMPANY IDENTIFICATION 1.

Product name: Product type/use:

Restriction of Use:

Company address:

Henkel Corporation One Henkel Way

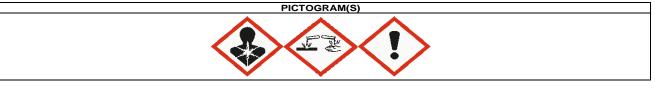
Loctite Epoxy Quick Set Multi-purpose 5 Minute Hardener Adhesive None identified Rocky Hill, Connecticut 06067

IDH number: 1427689 1395391\_1427689 Item number: United States Region: Contact information: 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 SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE AN ALLERGIC SKIN REACTION. SUSPECTED OF CAUSING GENETIC DEFECTS. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
SKIN CORROSION	1C - Corrosive
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1
GERM CELL MUTAGENICITY	2
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	2



#### **Precautionary Statements**

Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe 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 SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. 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. Wash contaminated clothing before reuse.
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.

#### **COMPOSITION / INFORMATION ON INGREDIENTS** 3.

IDH number: 1427689

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Hardener Page 1 of 5

Hazardous Component(s)	CAS Number	Percentage*
m-Phenylenebis(methylamine)	1477-55-0	1 - 5
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	1 - 5
Phenol	108-95-2	1 - 5

\* 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). Remov contaminated clothing and footwear. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye contact:	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. Never give anything by mouth to an unconscious person. Get medical attention.
Symptoms:	See Section 11.
Notes to physician:	Treat symptomatically and supportively.
5. F	IRE 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 a turn-out gear.
Unusual fire or explosion hazards:	In case of fire, keep containers cool with water spray. Closed containers marked rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Irritating organic fragments.
6. ACCII	DENTAL RELEASE MEASURES
personal protection recommended in Section of the s	on 8, isolate the hazard area and deny entry to unnecessary and
Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Ensure adequate ventilation. Wear appropriate personal protective equipme

Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

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. Keep container closed.	
Storage:	Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. Store in original container until ready to use.	

IDH number: 1427689

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Hardener Page 2 of 5  $\,$ 

# 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
m-Phenylenebis(methylamine)	0.018 ppm Ceiling (SKIN)	None	None	None
2,4,6-tris(dimethylaminomethyl)phenol	None	None	None	None
Phenol	5 ppm TWA (SKIN)	5 ppm (19 mg/m3) PEL (SKIN)	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:		emical resistant, imperme or body suit to prevent sk		gloves and either an
9. PH	IYSICAL AND C	HEMICAL PRO	PERTIES	
Odor: Odor threshold: pH: Vapor pressure: Boiling point/range: Melting point/range: Specific gravity: Vapor density: Flash point: Flammable/Explosive limits - lowe Flammable/Explosive limits - upp Autoignition temperature: Flammability: Evaporation rate: Solubility in water: Partition coefficient (n-octanol/wa VOC content: Viscosity: Decomposition temperature:	Not ava Not ava Not ava Not ava Not ava 1.08 - 1 Not ava > 93 °C er: Not ava er: Not ava Not ava Not ava Not ava Insolub nter): Not ava 3.77 % 10,000 Not ava	iilable. iilable. iilable. iilable. .18 .18 .18 .18 .1904 °F) Tagliabue ( iilable. iilable. olicable .11 .11 .12 .12 .12 .12 .12 .12		
	10. STABILITY	AND REACTIV	ΤY	
Stability:		nditions of storage and u	ise.	
Hazardous reactions:	s: None under normal processing.			
Hazardous decomposition products:				
Incompatible materials:	tterials: Strong acids and strong bases. Strong oxidizing agents. Sodium hypochlorite. Peroxides.			
Reactivity:	Activity: Not available.			
Conditions to avoid:	Elevated temperatures. incompatible materials.	Heat, flames, sparks and	d other sources of ignition	on. Store away from
1	1. TOXICOLOGI		TION	
Relevant routes of exposure:	Skin, Inhalation, Eyes, Ir	ngestion		
DH number: 1427689	Pi Page 3 of	roduct name: Loctite Epc	oxy Quick Set Multi-purp	ose 5 Minute Hardene

#### Potential Health Effects/Symptoms

Inhalation: Skin contact:	Mists, vapors or liquid may cause severe irritation or burns. Dizziness. Causes skin burns. May cause allergic skin reaction.
Eye contact:	Causes serious eye damage. Corneal edema may give appearance of "blue haze" or "fog" around lights.
Ingestion:	If ingested, severe burns of the mouth and throat may occur, as well as perforation of the esophagus and the stomach.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
m-Phenylenebis(methylamine)	None	Irritant, Liver, Kidney, Corrosive
2,4,6-tris(dimethylaminomethyl)phenol	None	Irritant, Allergen
Phenol	Oral LD50 (Mouse) = 270 mg/kg Oral LD50 (Rat) = 317 mg/kg Oral LD50 (Rat) = 530 mg/kg Dermal LD50 (Rat) = 669 mg/kg Dermal LD50 (Rabbit) = 850 mg/kg	Blood, Cardiac, Corrosive, Developmental, Eyes, Irritant, Kidney, Liver, Mutagen, Nervous System, Skin, Vascular

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
m-Phenylenebis(methylamine)	No	No	No
2,4,6-tris(dimethylaminomethyl)phenol	No	No	No
Phenol	No	No	No

**ECOLOGICAL INFORMATION** 12.

**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.

### **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) Amines, liquid, corrosive, n.o.s. (m-Xylylenediamine, 2,4,6-Tris(dimethyl amino Proper shipping name: methyl) phenole) Hazard class or division: 8 UN 2735 Identification number: Packing group: DOT Hazardous Substance(s): ш Phenol International Air Transportation (ICAO/IATA) Proper shipping name: Amines, liquid, corrosive, n.o.s. (m-Xylylenediamine, 2,4,6-Tris(dimethyl amino methyl) phenole) Hazard class or division: 8 Identification number: UN 2735 Packing group: ш Water Transportation (IMO/IMDG) AMINES, LIQUID, CORROSIVE, N.O.S. (m-Xylylenediamine, 2,4,6-Tris(dimethyl Proper shipping name: amino methyl) phenole) Hazard class or division: 8 UN 2735 Identification number: Packing group:

III

IDH number: 1427689

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Hardener Page 4 of 5

# **15. REGULATORY INFORMATION**

### United States Regulatory Information

Cana

eu etatee rtegalatory information	
TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) 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:	Phenol (CAS# 108-95-2). Immediate Health, Delayed 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). Phenol (CAS# 108-95-2).
CERCLA Reportable quantity:	Phenol (CAS# 108-95-2) 1,000 lbs. (454 kg)
California Proposition 65:	This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
ada Regulatory Information	

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

### **16. OTHER INFORMATION**

This safety data sheet contains changes from the previous version in sections: This Safety Data Sheet contains changes from the previous version in Section(s): 2, 3, 8, 9, 11, 13, 14

Prepared by: Pr	oduct Safety and Regulatory Affairs
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#### Issue date: 03/05/2021

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This Safety Data Sheet has been generated based on OSHA Hazard Communication Standard (29 CFR 1910.1200) and provides information in accordance with U.S. federal law only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Hardener Page 5 of 5  $\,$ 

# Safety Data Sheet



Issue date: 10/05/2018

Revision Number: 005.1

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

Product type: Epoxy Restriction of Use: None i Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067

Loctite Epoxy Quick Set Multi-purpose 5 Minute Resin Epoxy resin None identified IDH number: 1427733 Item number: 1395391\_1427733 Region: United States Contact information: 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

# WARNING:

#### EMERGENCY OVERVIEW CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION.

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



#### **Precautionary Statements**

Prevention:	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, eye protection, 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 skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.
Storage:	Not prescribed
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

IDH number: 1427733

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Resin Page 1 of 5  $\,$ 

Hazardous Component(s)	CAS Number	Percentage*
Epichlorohydrin-4,4'-isopropylidene diphenol resin	25068-38-6	90 - 100

\* 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. If symptoms develop and persist, 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:	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. Never give anything by mouth to an unconscious person. Get medical attention.	
Symptoms:	See Section 11.	
Notes to physician:	Treat symptomatically and supportively.	
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.	
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. In case of fire, keep containers cool with water spray.	
Hazardous combustion products:	Oxides of carbon. Phenolics. Toxic fumes. 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:	Wear appropriate protective equipment and clothing during clean-up. Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewer or waterways.
Clean-up methods:	Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of according to Federal, State and local governmental regulations.

IDH number: 1427733

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Resin Page 2 of 5  $\,$ 

# 7. HANDLING AND STORAGE

Handling:

Storage:

Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. Keep container closed.

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. Protect from direct sunlight.

# 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
Engineering controls:		xhaust ventilation is reco nt to control airborne con		I ventilation is not
Respiratory protection:	Use a N	NOSH approved respirat	or if ventilation is inadec	luate.
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 che apron o	emical resistant, imperme r body suit to prevent sk	eable clothing including in contact.	gloves and either an

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Color: Odor: Odor threshold: pH: Vapor pressure: Boiling point/range: Melting point/range: Specific gravity: Vapor density: Flash point: Flammable/Explosive limits - lower: Flammable/Explosive limits - lower: Flammable/Explosive limits - upper: Autoignition temperature: Flammability: Evaporation rate: Solubility in water: Partition coefficient (n-octanol/water): VOC content: Viscosity:	Liquid Translucent, Clear None Not available. Not applicable 0.03  mm hg > 260.2 °C (> 500.4 °F) Not available. 1.17 Not available. > 249 °C (> 480.2 °F) Pensky Martens closed cup Not available. Not available. Not available. Not available. Not available. Slight Not available. Slight Not available. 0.1 % (value for resin and hardener together) Not available.
Decomposition temperature:	Not available. Not available.

IDH number: 1427733

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Resin Page 3 of 5  $\,$ 

	10. STABILITY AND	REACTIV	ITY	
Stability:	Stable under normal conditions	of storage and ι	use.	
Hazardous reactions:	None under normal processing.			
Hazardous decomposition products:	Oxides of carbon. Phenolics. Toxic fumes. Irritating vapors.			
Incompatible materials:	Strong oxidizing agents. Strong bases. Strong acids. Amines.			
Reactivity:	Not available.			
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials. Protect from direct sunlig			
	11. TOXICOLOGICAL	INFORMA	TION	
Relevant routes of exposure:	Skin, Inhalation, Eyes			
Potential Health Effects/Sympton Inhalation: Skin contact: Eye contact: Ingestion:	ms Inhalation of vapors or mists of th Causes skin irritation. May cause Causes serious eye irritation. Not expected under normal cond	e allergic skin re		e respiratory system.
Hazardous Component(s)	LD50s and LC50	s	Immediate	and Delayed Health Effects
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	Allergen, Irritant		Allergen, Irritant
Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen		OSHA Carcinogen (Specifically Regulated)
Epichlorohydrin-4,4'-isopropylidene Jiphenol resin	No	No		No
	12. ECOLOGICAL IN	IFORMATI	ON	
Ecological information:	Not available.			
	13. DISPOSAL CONS	SIDERATIO	ONS	
	Information provided is for unit	used product o	only.	
Recommended method of dispo	sal: Follow all local,	state, federal ar	nd provincial reg	ulations for disposal.
Hazardous waste number:	Not a RCRA ha	zardous waste.		
	14. TRANSPORT IN	FORMATI	ON	
The transport information provid package/configuration.	ed in this section only applies to	the material/fo	ormulation itsel	f, and is not specific to any
U.S. Department of Transportation	n Ground (49 CFR)			

IDH number: 1427733

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Resin Page 4 of 5

International Air Transportation (ICAO Proper shipping name: Hazard class or division: Identification number: Packing group:	/IATA) Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epichlorhydrin resin) 9 UN 3082 III			
Water Transportation (IMO/IMDG) Proper shipping name: Hazard class or division: Identification number: Packing group: Marine pollutant:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epichlorhydrin resin) 9 UN 3082 III Bisphenol-A Epichlorhydrin resin			
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.			
	Inventory.			
TSCA 12 (b) Export Notification: CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312:	Inventory. None above reporting de minimis None above reporting de minimis. Immediate Health			
TSCA 12 (b) Export Notification: CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:	Inventory. None above reporting de minimis None above reporting de minimis. Immediate Health None above reporting de minimis.			

### **16. OTHER INFORMATION**

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by:	Product Safety and Regulatory Affairs
Issue date:	10/05/2018

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IDH number: 1427733

Product name: Loctite Epoxy Quick Set Multi-purpose 5 Minute Resin Page 5 of 5  $\,$