

Revision Number: 005.0

Issue date: 01/06/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

LOCTITE ABLESTIK 84-3 known as

Ablebond 84-3 (1.8g) (5011)

Product type: Restriction of Use: Epoxy adhesive None identified

Company address:

Henkel Electronic Materials LLC

14000 Jamboree Road Irvine, CA 92606

IDH number:

1200530

Region:

United States

Contact information:

Telephone: +1 (888) 943-6535

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.henkel.com/electronics

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING:

CAUSES SKIN IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.

CAUSES SERIOUS EYE IRRITATION.

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

PICTOGRAM(S)



Precautionary Statements

Prevention:

Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear

protective gloves.

Response:

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. 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: 1200530

Hazardous Component(s)	CAS Number	Percentage*	
Quartz (SiO2)	14808-60-7	30 - 60	
Epoxy resin	Proprietary	10 - 30	
Epoxy resin	Proprietary	10 - 30	
Epoxy resin modifier	Proprietary	10 - 30	
Dapsone	80-08-0	1-5 24 1	
Treated fumed silica	67762-90-7	0.1 - 1	
Substituted silane	Proprietary Hollas	oduct name: LOCTITE ABLEST HO. 3 known as	
Epoxy resin	Proprietary	(f.n. 0.1-61h) 8-88 bnodeidA	

^{*} Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

FIRST AID MEASURES

Move to fresh air. If not breathing, give artificial respiration. If breathing is Inhalation:

difficult, give oxygen. Get medical attention.

Immediately flush skin with plenty of water (using soap, if available). Remove Skin contact: contaminated clothing and footwear. Wash clothing before reuse. Get medical

attention.

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

minutes. Get medical attention.

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

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: This product is combustible at high temperatures. Closed containers may

rupture (due to build up of pressure) when exposed to extreme heat.

Hazardous combustion products: Oxides of carbon, oxides of nitrogen, irritating organic 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.

Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to Clean-up methods:

prevent entry into water system; wear full protective equipment during cleanup. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a

partly filled, closed container until 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.

Refer to Section 8.

Storage:

For safe storage, store at or below -40.0 °C (-40°F)

Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Protect from direct sunlight.

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
Quartz (SiO2)	0.025 mg/m3 TWA Respirable fraction.	2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	
Epoxy resin	None	None	None	None
Epoxy resin	None	None	None	None
Epoxy resin modifier	None	None	None	None
Dapsone	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
Substituted silane	None	None	None	None
Epoxy resin	None	None	None	None

Engineering controls:

Provide adequate local exhaust ventilation to maintain worker exposure below

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. Full face protection should be used if the potential for splashing or spraying of product exists. Safety

showers and eye wash stations should be available.

Skin protection:

Use chemical resistant, impermeable clothing including gloves and either an

apron or body suit to prevent skin contact.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid, Paste

Color:

Blue

Odor:

Slight Not available.

Odor threshold:

Not available.

pH: Vapor pressure:

Not applicable Not available.

Boiling point/range: Melting point/ range:

Not available. 17

Specific gravity: Vapor density:

Not available.

Flash point:

> 93 °C (> 199.4 °F)

Flammable/Explosive limits - lower:

Not available.

Flammable/Explosive limits - upper: Autoignition temperature:

Not available. Not available.

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Evaporation rate:

Solubility in water:

Partition coefficient (n-octanol/water):

VOC content: Viscosity:

Decomposition temperature:

Not available.

Insoluble

Not available. < 1 %

Not available.

Not available.

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions of storage and use.

Hazardous reactions:

None under normal processing. Polymerization may occur at elevated temperature or in the

presence of incompatible materials.

Hazardous decomposition

products:

Silicon tetrafluoride. Oxides of carbon. Oxides of nitrogen. Irritating organic fragments.

Strong oxidizing agents. Strong acids and strong bases.

Incompatible materials:

Reactivity: Not available.

Conditions to avoid:

Elevated temperatures. Heat, flames, sparks and other sources of ignition. Direct sunlight.

Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:

Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

Inhalation:

Inhalation of vapors or mists of the product may be irritating to the respiratory system. Heating

this product may release harmful vapors.

Skin contact:

Causes skin irritation. May cause allergic skin reaction. Causes serious eye damage.

Eye contact: Ingestion:

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects	
Quartz (SiO2)	None None None respirator if the	Immune system, Lung, Some evidence of carcinogenicity	
Epoxy resin	None Allergen, Irritant		
Epoxy resin	The state of the s		
Epoxy resin modifier	prinaging for letter to splashing because	Irritant, Allergen	
Dapsone skds/ks/s ad t	None None	Allergen, Blood, Eyes, Irritant, Kidney, Nervous System, Skin	
Treated fumed silica	ated fumed silica None Irritant		
Substituted silane	uted silane None Allergen, Irritant		
Epoxy resin	None	Allergen, Irritant	

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Quartz (SiO2)	Known To Be Human Carcinogen.	Group 1	No nebo
Epoxy resin	No sidsley	No No	No
Epoxy resin	No sideoliga	No No	No
Epoxy resin modifier	No sidalisv	No No	No. 1
Dapsone	No .9RBHZV	No	No salisa
Treated fumed silica	No	No	No amagada
Substituted silane	No sidelle?	No No	No
Epoxy resin	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information:

Not available.

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:

None

Identification number:

None

Packing group:

None

International Air Transportation (ICAO/IATA)

Proper shipping name:

Not regulated

Hazard class or division:

None

Identification number: Packing group:

None None

Water Transportation (IMO/IMDG)

Proper shipping name:

Not regulated

Hazard class or division:

None

Identification number:

None

Packing group:

None

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, 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

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: New Safety Data Sheet format.

IDH number: 1200530

Prepared by:

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