



Revision Number: 005.3

Issue date: 08/08/2025

1. IDENTIFICATION

Product name: LOCTITE AA 3048 DC490ML PT A
Product type/ Acrylic Adhesive
Recommended use:
Restriction of Use: None identified
Company address:
 Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

IDH number: 3085246

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
 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

This product contains one or more components that are exempt from listing on the U.S. Toxic Substances Control Act (TSCA) inventory because a Low Volume Exemption (LVE) has been granted in accordance with 40 CFR 723.50. Quantities may be limited.

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: H227 - COMBUSTIBLE LIQUID.
 H314 - CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
 H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
 H334 - MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
 H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
SKIN CORROSION	1
SERIOUS EYE DAMAGE	1
RESPIRATORY SENSITIZATION	1
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2

PICTOGRAM(S)



Precautionary Statements

Prevention:

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking.
 P261 - Avoid breathing mist/vapours.
 P264 - Wash affected area thoroughly after handling.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves, clothing, eye and face protection.
 P284 - [In case of inadequate ventilation] wear respiratory protection.
 P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing.
 P304+P340+P310 - IF INHALED: Remove victim to fresh air and keep at rest in a position

Response:

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comfortable for breathing. Immediately call a POISON CENTER or physician.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical attention.
P333+P313 - If skin irritation or rash occurs: Get medical attention.
P342+P311 - If experiencing respiratory symptoms: Call a poison center or physician.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
P403 - Store in a well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Storage:

Disposal:

Other hazards Not available.

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	Weight %*
Organoboron amine complex	Unknown	10 - 30
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	9046-10-0	10 - 30
N-Aminoethylpiperazine	140-31-8	1 - 5
Diethylenetriamine	111-40-0	0.1 - 1

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

4. FIRST AID MEASURES

First Aid Measures by likely routes of exposure

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. Wash clothing before reuse. Get medical attention.
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.
Most important symptoms and effects (acute and delayed):	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
Indication of any immediate medical attention / special treatment needed:	Not available.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Flood with water or carbon dioxide. Foam Dry chemical.
Improper extinguishing agents:	High pressure waterjet. Water spray jet Fine water spray Water fog.
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:

Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers. High concentration of airborne dust may form explosive mixture with air.

Hazardous combustion products:

Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. Hydrogen cyanide.

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.

Clean-up methods:

Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. 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. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. HANDLING AND STORAGE

Handling:

Use only with adequate ventilation. DO NOT heat or spray. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.

Storage:

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

Shelf Life Statement: Not available.

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
Diethylenetriamine	1 ppm TWA (SKIN)	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. Neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid

Color:

Light beige, Yellow

Odor:

Acrylic

Odor threshold:

Not available.

pH:

Not applicable, Product is non-soluble (in water).

Vapor pressure:

< 1 hPa (20 °C (68°F))

Boiling point/range:

> 98.9 °C (> 210°F)

Melting point/ range:

Not applicable, Product is a liquid

Density/Relative density:

0.90 - 1.20

Relative vapor density:

> 1 20 °C

Flash point:

93 °C (199.4 °F)

Flammable/Explosive limits - lower:

Not available.

Flammable/Explosive limits - upper:

Not available.

Autoignition temperature:	Not available.
Flammability:	The product is not flammable.
Evaporation rate:	Not available.
Solubility:	Not miscible Water
Partition coefficient n-octanol/water (logarithmic value):	Not available.
VOC content:	5.24 %; 57.97 g/l Method 40 CFR Part 63 Appendix A to Subpart PPPP
Dynamic viscosity:	70,000 - 120,000 mPa.s
Kinematic viscosity:	800 - 1,100 mm ² /s
Particle characteristics:	Not applicable, Product is a liquid
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	May occur. Rapid polymerization may generate excessive heat and pressure.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. Hydrogen cyanide.
Incompatible materials:	Strong reducing agents. Free radical initiators. Inert gases. Oxygen scavengers. Strong oxidizing agents. Amines, strong alkalies Reactive metals. Peroxides. Alcohols. Strong bases. Air. Acids. Isocyanates.
Reactivity:	Not available.
Conditions to avoid:	Extremes of temperature and direct sunlight. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. UV light. Loss of dissolved air. Avoid moisture.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Skin, Inhalation, Eyes, Ingestion
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Potential Health Effects/Symptoms

Inhalation:	Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause allergic respiratory reaction.
Skin contact:	Causes skin burns. May cause allergic skin reaction.
Eye contact:	Causes serious eye damage.
Ingestion:	May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s
Organoboron amine complex	None
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	None
N-Aminoethylpiperazine	None
Diethylenetriamine	Oral LD50 (Rat) Approximate 1,140 mg/kg Oral LD50 (Rat) = 1,080 mg/kg Oral LD50 (Rat) = 2.33 g/kg

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Organoboron amine complex			
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	Corrosive Irritant		
N-Aminoethylpiperazine	Irritant Corrosive	Allergen	
Diethylenetriamine	Irritant	Allergen	Eyes

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Organoboron amine complex	No	No	No
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	No	No	No
N-Aminoethylpiperazine	No	No	No
Diethylenetriamine	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.

14. TRANSPORT INFORMATION

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

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

Proper shipping name:	Amines, liquid, corrosive, n.o.s. (Polyoxy propylene diamine, Triethylborane-diethylenetriamine complex)
Hazard class or division:	8
Identification number:	UN 2735
Packing group:	II

International Air Transportation (ICAO/IATA)

Proper shipping name:	Amines, liquid, corrosive, n.o.s. (Polyoxy propylene diamine, Triethylborane-diethylenetriamine complex)
Hazard class or division:	8
Identification number:	UN 2735
Packing group:	II

Water Transportation (IMO/IMDG)**Proper shipping name:**

AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxy propylene diamine, Triethylborane-diethylenetriamine complex)

Hazard class or division:

8

Identification number:

UN 2735

Packing group:

II

15. REGULATORY INFORMATION**United States Regulatory 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.

This product contains one or more components with a Low Volume Exemption (LVE) in accordance with 40 CFR 723.50. Quantities may be limited.

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:

Please refer to the GHS classification in Section 2

CERCLA/SARA Section 313:

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/NDL Status:**

One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

16. OTHER INFORMATION**This safety data sheet contains changes from the previous version in sections: 5, 10****Prepared by:**

Product Safety and Regulatory Affairs

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08/08/2025

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