

Material Safety Data Sheet



Revision Number: 002.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) Fixmaster(R) Pox Pak
Product use: Adhesive
Company address:
Henkel Canada Corporation
2225 Meadowpine Boulevard
Mississauga, Ontario L5N 7P2

IDH number: 702092
Item number: 81120_193047
Region: Canada
Contact information:
Telephone: 905.814.6511
Emergency telephone: 905.814.6511
Internet: www.henkeln.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Opaque
Odor: Amine-like

WHMIS hazard class: D.2.A, D.2.B, E

DANGER: CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS.
MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION.
MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN.

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

Potential Health Effects

Inhalation: Allergic respiratory reaction. May cause respiratory tract irritation. May cause irritation to nose and throat. Lung damage. Respiratory tract burns.
Skin contact: May cause skin burns. Allergic skin reaction. Harmful if absorbed through skin. Rash. Redness. Tissue damage.
Eye contact: Burns. Severe eye irritation. Redness. Tissue damage.
Ingestion: May be harmful if swallowed. May cause burns of mouth and throat if swallowed.

Existing conditions aggravated by exposure: Skin disorders. Skin allergies. Respiratory disorders. Eye disorders. Asthma.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Mercaptan Terminated Polymer	Unknown	60 - 100
N-Aminoethylpiperazine	140-31-8	10 - 30
Triethylenetetramine	112-24-3	5 - 10
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	5 - 10
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5
2-(2-Aminoethylamino)ethanol	111-41-1	1 - 5
Phosphorous acid, 2-(2-hydroxypropoxy)-1-methylethyl bis[13-hydroxy-7-[2-	13474-96-9	1 - 5
Diethylenetriamine	111-40-0	1 - 5
1-Piperazineethanol	103-76-4	1 - 5

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

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Skin contact:	Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). Thoroughly clean shoes before reuse. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
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. Keep individual calm. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	> 93 °C (> 199.4 °F) Tagliabue closed cup
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
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:	In case of fire, keep containers cool with water spray.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Ammonia. Amines. Nitric acid. Nitrosamines. Irritating organic fragments.
Sensitivity to Mechanical Impact:	Not available
Sensitivity to static discharge:	Not available

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. Immediately contact emergency personnel. Scrape up as much material as possible. Clean residue with soap and water. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin and clothing. Keep container closed. Wash thoroughly after handling.
Storage:	Store in original container until ready to use. 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 contact Henkel Canada Customer Service at (905) 814-6511.

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Mercaptan Terminated Polymer	None	None	None	None
N-Aminoethylpiperazine	None	None	None	None
Triethylenetetramine	None	None	1 ppm (6 mg/m3) TWA (SKIN)	None
2,4,6-Tris(dimethylaminomethyl)phenol	None	None	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m3 TWA	None	None
2-(2-Aminoethylamino)ethanol	None	None	None	None
Phosphorous acid, 2-(2-hydroxypropoxy)-1-methylethyl bis[13-hydroxy-7-[2-	None	None	None	None
Diethylenetriamine	1 ppm TWA (SKIN)	None	None	None
1-Piperazineethanol	None	None	None	None

Engineering controls:	Use local exhaust ventilation if the potential for airborne exposure exists.
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.
Skin protection:	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Opaque
Odor:	Amine-like
Odor threshold:	Not available
pH:	Not applicable
Vapor pressure:	< 5 mm hg (20 °C (68°F))
Boiling point/range:	> 149 °C (> 300.2 °F)
Melting point/ range:	Not available
Specific gravity:	1.04
Vapor density:	Not available
Flash point:	> 93 °C (> 199.4 °F) Tagliabue closed cup
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Autoignition temperature:	Not available
Evaporation rate:	Not available
Solubility in water:	low solubility
Partition coefficient (n-octanol/water):	Not available
VOC content:	0.1 % (value for resin and hardener together)

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	None
Incompatible materials:	Strong acids. Strong oxidizing agents. Halogenated compounds. Strong mineral acids. Reactive metals. Sodium hypochlorite. Calcium hypochlorite. Nitrous acid and other nitrosating agents.
Conditions to avoid:	Excessive heat. Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products: Not available

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
Mercaptan Terminated Polymer	No	No	No	No
N-Aminoethylpiperazine	No	No	No	No
Triethylenetetramine	No	No	No	No
2,4,6-Tris(dimethylaminomethyl)phenol	No	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No	No
2-(2-Aminoethylamino)ethanol	No	No	No	No
Phosphorous acid, 2-(2-hydroxypropoxy)-1-methylethyl bis[13-hydroxy-7-[2-	No	No	No	No
Diethylenetriamine	No	No	No	No
1-Piperazineethanol	No	No	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Mercaptan Terminated Polymer	None	No Data
N-Aminoethylpiperazine	None	Irritant, Corrosive, Allergen
Triethylenetetramine	None	Allergen, Corrosive, Developmental, Irritant, Mutagen
2,4,6-Tris(dimethylaminomethyl)phenol	None	Irritant, Allergen
Silica, amorphous, fumed, crystal-free	None	Nuisance dust
2-(2-Aminoethylamino)ethanol	Oral LD50 (RAT) = 3,000 mg/kg	Irritant, Allergen
Phosphorous acid, 2-(2-hydroxypropoxy)-1-methylethyl bis[13-hydroxy-7-[2-	None	No Records
Diethylenetriamine	Oral LD50 (RAT) = 1,080 mg/kg Oral LD50 (RAT) = 2,330 mg/kg	Allergen, Irritant, Eyes
1-Piperazineethanol	None	Allergen, Central nervous system, Irritant

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

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Triethylenetetramine, Aminoethylpiperazine)
Hazard class or division: 8
Identification number: UN 3267
Packing group: II

International Air Transportation (ICAO/IATA)

Proper shipping name: Corrosive liquid, basic, organic, n.o.s. (Triethylenetetramine, Aminoethylpiperazine)
Hazard class or division: 8
Identification number: UN 3267
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Triethylenetetramine, Aminoethylpiperazine)
Hazard class or division:	8
Identification number:	UN 3267
Packing group:	II

15. REGULATORY INFORMATION

Canada Regulatory Information

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

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.

16. OTHER INFORMATION

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Gary Pierson, Sr. Regulatory Affairs Specialist

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