

# Safety Data Sheet

## LD7200P – Crack Patch Paste - HARDENER

Revision date: 2015/12/01

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### 1. Identification

**Product identifier used on the label**

**LD7200P – Crack Patch Paste - HARDENER**

**Recommended use of the chemical and restriction on use:**

**Epoxy Patching Compound**

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet**

Company:

Life Paint Company  
12927 Sunshine Avenue  
Santa Fe Springs, CA 90670

562-944-6391

**Emergency telephone number**

CHEMTREC: 1-800-424-9300

**Other means of identification**

Chemical family: mixed amine  
Synonyms: mixed amine

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### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

**Classification of the product**

Acute Toxicity - Oral	Category 4
Acute Toxicity - Inhalation	Category 4
Acute Toxicity - Dermal	Category 4
Skin Corrosion	Category 1B
Serious Eye Damage	Category 1
Skin Sensitization -	Category 1
Reproductive toxicity -	Category 2
Specific target organ toxicity - repeated exposure - Oral	Category 2

Label Elements

Pictogram:



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Signal Word: Danger

**Hazard Statement:**

Harmful if swallowed, in contact with skin or if inhaled  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure if swallowed.

**Precautionary Statements (Prevention):**

Do not handle until all safety precautions have been read and understood.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.

**Precautionary Statements (Response):**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
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 advice/attention.  
Immediately call a POISON CENTRE or doctor/physician.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.

**Precautionary Statements (Storage):**

Store locked up

**Precautionary Statements (Disposal):**

Disposal of contents/container to be specified in accordance with regulations.

**Hazards not otherwise classified**

Harmful in contact with skin.  
Harmful if swallowed.  
Corrosive  
Severe skin irritant.  
Severe eye irritant.  
May cause sensitization by skin contact

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### 3. Composition / Information on Ingredients

Components	CAS Number	Concentration (Weight)
Nonylphenol	84852-15-3	< 50 %

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Synthetic Amorphous, Pyrogenic Silica	112945-52-5	< 15 %
Methylenebis(cyclohexyl)amine, 4,4'-	1761-71-3	< 10 %

CHEMICAL FAMILY: Aliphatic Amines. The remaining components are trade secret.

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

##### If inhaled:

If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

##### If on skin:

Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately.

##### If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an ophthalmologist.

##### If swallowed:

Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Prevent aspiration of vomit. Turn victim's head to the side.

##### Most important symptoms and effects, both acute and delayed:

Eye disease. Skin disorders and Allergies.

##### Note to physician

Treatment: Application of corticosteroid cream has been effective in treating skin irritation.

### 5. Fire-Fighting Measures

#### Extinguishing media

Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Dry sand. Limestone powder.

#### Special hazards arising from the substance or mixture

May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire-fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.

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### **Advice for fire-fighters**

Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

### **Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### **Impact Sensitivity:**

Remarks: No data available.

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## **6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

### **Environmental precautions**

Construct a dike to prevent spreading

### **Methods and material for containment and cleaning up**

Spills should be contained, solidified, and placed in suitable containers for disposal.

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## **7. Handling and Storage**

### **Handling**

Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use only in well-ventilated areas. Avoid breathing vapors and/or aerosols. Use personal protective equipment. When using, do not eat, drink or smoke.

Protection against fire and explosion:

Take precautionary measures against static discharges.

### **Conditions for safe storage, including any incompatibilities**

Segregate from acids and acid forming substances.

Further information on storage conditions: Containers should be stored tightly sealed in a dry place. Keep container tightly closed and in a well-ventilated place. Keep away from sources of ignition - No smoking. Keep container tightly closed.

Storage stability: Do not store in reactive metal containers. Keep container dry because product takes up the humidity of air.

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## **8. Exposure Controls/Personal Protection**

### **Engineering Measures**

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Provide readily accessible eye wash stations and safety showers.  
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits

### **Personal protective equipment**

#### **Respiratory protection:**

Not required for properly ventilated areas.

#### **Hand protection:**

Butyl-rubber, nitrile rubber, neoprene, PVC disposable, or otherwise impervious gloves should be worn. Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

#### **Eye protection:**

Wear face shield or tightly fitting safety goggles (chemical goggles).

#### **Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit, long-sleeve shirts, trousers without cuffs.

#### **General safety and hygiene measures:**

Eye wash fountains and safety showers must be easily accessible. Wear protective clothing as necessary to prevent contact. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Hands and/or face should be washed before breaks and at the end of the shift. When using, do not eat, drink or smoke. Remove contaminated clothing. Discard contaminated leather articles.

Exposure limit(s)

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## 9. Physical and Chemical Properties

Form:	Thixotropic gel/paste
Odor:	Amine-like
Color:	Clear, Colorless
pH value:	Alkaline, 10
Melting point:	No data available
Boiling point:	> 210 °C
Flash point:	> 100 °C (ASTM D93)
Flammability:	Not flammable
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Autoignition:	No data available
Vapor pressure:	< 1.00 mmHg at 70 °F (21 °C)
Density:	61.804 lb/ft <sup>3</sup> (0.99 g/cm <sup>3</sup> ) at 70 °F (21 °C)
Viscosity, Dynamic	N/A
Solubility in Water	Not very soluble < 1%
Evaporation rate:	< Ether

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## 10. Stability and Reactivity

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### Corrosion to metals:

May be corrosive to metals

### Chemical Stability:

Stable under normal conditions.

### Conditions to avoid:

No data available.

### Materials to avoid:

Sodium hypochlorite. Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Reactive metals (e.g. sodium, calcium, zinc etc.). Materials reactive with hydroxyl compounds. Oxidizing agents..

### Hazardous decomposition products:

Aldehydes. Flammable hydrocarbon fragments. Nitrosamine. Nitrogen oxides (NOx). Nitrogen oxide can react with water vapors to form corrosive nitric acid. Ammonia. Nitric acid. Carbon monoxide. Carbon dioxide (CO2)

### Possibility of hazardous Reactions/Reactivity:

No data available.

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## 11. Toxicological information

### Information on toxicological effects

Likely routes of exposure

### Effects on Eye:

Causes eye burns. May cause blindness. Severe eye irritation.

### Effects on Skin:

If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

### Inhalation Effects:

Can cause severe eye, skin and respiratory tract burns

### Ingestion Effects:

Harmful if swallowed. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Symptoms: No data available

### Acute toxicity

Acute Oral Toxicity: LD50: > 1,620 mg/kg Species : Rat.

Inhalation: LC50 (1 h) : > 20 mg/l Species : Rat. Method

Acute Dermal Toxicity: LD50 : > 1,000 mg/kg Species : Rabbit.

Skin corrosion/irritation: Corrosive in an in vitro test.

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Serious Eye Damage/Eye Irritation:	Severe eye irritation
Sensitization:	May cause sensitization by skin contact
Chronic Toxicity or Effects from Long Term Exposures	
Carcinogenicity:	No data available
Reproductive Toxicity:	No data is available on the product itself
Germ Cell Mutagenicity:	The product or a component may be mutagenic, the data is inconclusive
Specific Target Organ Systemic Toxicity (single exposure):	No data is available
Specific Target Organ Systemic Toxicity (repeated exposure):	No data is available

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage. Repeated or prolonged contact causes sensitization, asthma and eczemas. Neurological disorders, Asthma, Skin disorders and Allergies, Eyedisease.

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## 12. Ecological Information

### EcoToxicity Effects

Aquatic toxicity : No data is available on the product itself.

#### Toxicity to fish - Components

Nonyl Phenol	LC50 (96 h) : 0.128 mg/l	Species : Fathead minnow ( <i>Pimephales promelas</i> ).
Methylenebiscyclohexanamine, 4,4'-	LC0 (96 h) : 46 mg/l	Species : Golden orfe ( <i>Leuciscus idus</i> ).
Methylenebiscyclohexanamine, 4,4'-	LC50 (96 h) : > 100 mg/l	Species : Golden orfe ( <i>Leuciscus idus</i> ).

#### Toxicity to daphnia - Components

Nonyl Phenol	EC50 (48 h) : 0.0848 mg/l	Species : Daphnia
Nonyl Phenol	EC50 (48 h) : 0.19 mg/l	Species : Daphnia
Methylenebiscyclohexanamine, 4,4'-	EC50 (48 h) : 6.84 mg/l	Species : Daphnia magna.

#### Toxicity to algae - Components

Methylenebiscyclohexanamine, 4,4'-	EC50 (72 h) : 140 - 200 mg/l	Species : Algae.
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Toxicity to other organisms : No data available.

### Persistence and degradability

Biodegradability :	No data is available on the product itself.
Mobility :	No data available.
Bioaccumulation :	No data is available on the product itself.

#### Bioaccumulation - Components

Nonyl Phenol	Moderate bioaccumulation potential.
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## 13. Disposal Considerations

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Dispose of in a licensed facility. Do not discharge into waterways or sewer systems without proper authorization. Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

### Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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## 14. Transport Information

### Land transport

USDOT

Hazard class: 8  
Packing group: III  
ID number: UN 2735  
Hazard label: 8  
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S., (Nonyl Phenol, 4,4'-Methylenebiscyclohexanamine)

### Sea transport

IMDG

Hazard class: 8  
Packing group: III  
ID number: UN 2735  
Hazard label: 8  
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S., (Nonyl Phenol, 4,4'-Methylenebiscyclohexanamine)  
Marine Pollutant: Yes

### Air transport

IATA/ICAO

Hazard class: 8  
Packing group: III  
ID number: UN 2735  
Hazard label: 8  
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S., (Nonyl Phenol, 4,4'-Methylenebiscyclohexanamine)  
Marine Pollutant: Yes

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## 15. Regulatory Information

Toxic Substance Control Act (TSCA) 12(b)

Component(s):None.

COUNTRY	REGULATORY LIST	NOTIFICATION
USA	TSCA	Included on Inventory.



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EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory.
Philippines	PICCS	Included on Inventory.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification:  
Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level:  
None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)  
This product does not contain any chemicals known to State of California to cause cancer, birth defects or any otherharm.

State Right-to-Know  
Massachusetts RTK Substances – Silica 7631-86-9  
New jersey RTK Hazardous Substances – Silica 7631-86-9  
Pennsylvania RTK Hazardous Substances – Silica 7631-86-9

### 16. Other Information

#### HMIS Rating

Health : 3  
Flammability : 1  
Physical hazard : 0

**SDS Prepared by:**  
Life Paint Company

The information provided herein was believed by Life Paint Company, Inc. to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Life Paint Company are subject to Life Paint Company terms and conditions of sale. LIFE PAINT COMPANY MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY LIFE PAINT COMPANY, except that the product shall conform to Life Paint Company specifications. Nothing contained herein constitutes an offer for the sale of any product.

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