

Section 1: Identification

Trade Name (as Labeled): Life Deck LD10

Chemical Name/Class: Concrete Repair Mortar

Product Use: Deck Covering Bodycoat

Supplier/Manufacturer: Life Paint
12927 Sunshine Ave
Santa Fe Springs, Ca 90670
562-944-6391

Do It Right Products, LLC
1838 N. Case Street
Orange, CA 92865
661-435-8381

Emergency Contact: Chemtrec
800-424-9300

Information Contact: Do It Right Products, LLC 661-435-8381

Section 2: Hazard(s) Identification

WARNING

Health Hazard



Carcinogen
Mutagenicity
Respiratory Toxicity
Reproductive Toxicity
Target Organ Toxicity
Aspiration Toxicity

Crystalline Silica is recognized by the International Agency for Research on Cancer (IARC) as a Group 1 carcinogen, by the National Toxicology Program (NTP) as a Group 2 carcinogen and by the State of California (Proposition 65) as carcinogenic to humans.

Corrosion



Skin Corrosion/Burns
Eye Damage
Corrosive to Metals

Exclamation Mark



Irritant (skin and eye)
Skin Sensitizer
Acute Toxicity
Narcotic Effects
Respiratory Tract Irritant

Hazard Statements:

- May be harmful if swallowed
- May Cause severe skin burns and eye damage
- May cause an allergic skin reaction
- Causes serious eye damage
- Toxic if inhaled
- May be harmful if inhaled
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause respiratory irritation
- May cause cancer
- May cause damage to organs through prolonged or repeated exposure (lungs)

Precautionary Statements:

- Keep out of reach of children
- Read label before use
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash thoroughly after handling
- Do not eat, drink or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/face protection
- In case of inadequate ventilation wear respiratory protection
- Dispose of contents and container in accordance with all local, regional, national and international regulation

Section 2: Hazard(s) Identification – (Continued)

EMERGENCY OVERVIEW: This product is a gray dry powder. A single short term exposure to the dry powder is not likely to cause serious harm. However, exposure of sufficient duration to wet mixture can cause serious, potentially irreversible tissue (skin or eye) destruction in the form of chemical, caustic burns. The same type of tissue destruction can occur if wet or moist areas of the body are exposed for sufficient duration to dry product.

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: This product can damage skin, eyes, mucous membranes, and other contaminated tissue.

INHALATION: Exposure to this product may cause irritation to the moist mucous membranes of the nose, throat, and upper respiratory system. It may also aggravate other lung conditions. Potential health effects of inhalation are as follows: *Silicosis* – Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive: it may lead to disability and death. *Lung Cancer* – Crystalline silica (quartz) inhaled is classified by IARC as a carcinogen. *Tuberculosis* – Silicosis increases the risk of Tuberculosis. *Autoimmune and Chronic Kidney Disease* – Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. *Non-Malignant Respiratory diseases (other than Silicosis)* – Some studies show an increased incidence in chronic bronchitis and emphysema in workers exposed to respirable crystalline silica.

CONTACT WITH SKIN: Discomfort or pain cannot be relied upon to alert a person to a hazardous skin exposure. Consequently, the only effective means of avoiding skin injury or illness involves minimizing skin contact, particularly contact with wet product. Exposed persons may not feel discomfort until hours after the exposure has ended and significant injury has occurred. Exposure to dry material may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Dry material contacting wet skin or exposure to moist or wet Portland cement may cause more severe skin damage in the form of (caustic) chemical burns. Some individuals may exhibit an allergic response upon exposure to this material. The response may appear in a variety of forms ranging from a mild rash to severe skin ulcers. Persons already sensitized may react to their first contact with the product.

CONTACT WITH EYES: Exposure to airborne dust may cause immediate or delayed irritation or inflammation. Eye contact by larger amounts of dry powder or splashes of wet material may cause effects ranging from moderate eye irritation to chemical burns and blindness. Such exposures require immediate first aid (see section 4) and medical attention to prevent significant damage to the eye.

INGESTION: Though ingestion is not anticipated to be a significant route of over-exposure to this product, ingestion of large amounts can be harmful and requires immediate medical attention.

INJECTION: Though injection is not anticipated to be a significant route of over-exposure to this product.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.

ACUTE: This product is corrosive, it can burn and damage eyes, skin, mucous membranes, and any other exposed tissue. If inhaled, irritation of the respiratory system may occur, with coughing, and breathing difficulty. Though unlikely to occur during occupational use, ingestion of large quantities can be harmful.

CHRONIC: Repeated skin contact with this product may result in dermatitis (inflammation and reddening of the skin) and skin sensitization.

Section 3: Composition/Information on Ingredients

| | CAS # | OSHA PEL | ACGIH TLV | PERCENT |
|--------------------------|------------|----------------------|-----------------------|-----------|
| Portland Cement | 65997-15-1 | 10 mg/m ³ | 10 mg/m ³ | 20 - 40 |
| Crystalline Silica | 14808-60-7 | 10 mg/m ³ | 0.1 mg/m ³ | 40 - 70 |
| Lithium Carbonate | 554-13-2 | 15 mg/m ³ | N/A | 0.1 – 1.0 |
| Limestone | 1317-65-3 | 15 mg/m ³ | 10 mg/m ³ | 5 - 10 |
| Calcium Aluminate Cement | 65997-16-2 | 15 mg/m ³ | 10 mg/m ³ | 0 - 10 |
| Vinyl acetate copolymer | 24937-78-8 | 15 mg/m ³ | 10 mg/m ³ | 0 - 5 |
| Calcium Sulfate | 7778-18-9 | 15 mg/m ³ | 10 mg/m ³ | 0 - 5 |

4. FIRST-AID MEASURES

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move to fresh air. If cough, irritation, difficulty in breathing persist or develop, call a physician.

Skin Contact: Remove/Take off immediately all contaminated clothing. Flush affected skin with gently flowing lukewarm water for at least 20 minutes. Seek immediate medical attention/advice.

Ingestion: Administer milk or water. DO NOT induce vomiting. Call a physician or Poison Control Center immediately. DO NOT give anything orally to an unconscious person.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Signs and symptoms of short-term (acute) exposure

Inhalation: Symptoms may include coughing and shortness of breath.

Skin: Symptoms may include redness and itching. Contact with wet material, or moist areas of skin, causes skin burns. Skin thickening, cracking, or fissuring may occur.

Eyes: Direct contact may strongly irritate or burn the eyes. Could cause blindness.

Ingestion: Symptoms such as gastric pain, nausea, vomiting, and diarrhea may occur.

Effects of long-term (chronic) exposure

: Prolonged inhalation may cause adverse lung effects with symptoms including coughing and shortness of breath. Repeated or prolonged inhalation of fine dusts may cause severe scarring of the lungs, a disease called silicosis, and alveolar proteinosis (lower lung disease).

Indication of need for immediate medical attention or special treatment

: Difficulty breathing persists after removing the person to fresh air.

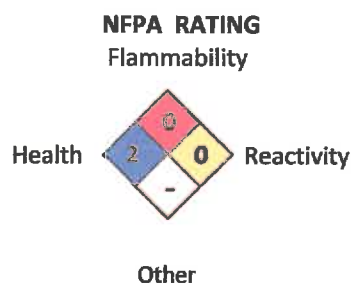
Any burn to the skin.

Any exposure to the eye which causes irritation.

Ingestion.

Section 5: Fire-Fighting Measures

| | |
|--|---------------|
| Flash Point (Tag Closed Cup): | Non-Flammable |
| Flammable Limits LEL: NA UEL: | NA |
| Extinguishing Media: | NA |
| Special Fire Fighting Procedures: | NA |
| Unusual Fire and Explosion Hazards: | NA |



Section 5: Fire-Fighting Measures (continued)

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: NA

Hazardous combustion products: None known.

Special fire-fighting procedures/equipment: Use standard firefighting procedures and consider the hazards of other involved materials. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

Environmental precautions: Avoid discharge to drains, sewers, and other water systems.

Flammability classification (OSHA 29 CFR 1910.1200, WHMIS 2015): Not flammable

Section 6: Accidental Release Measures

Personal precautions: Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment.

Protective equipment: Refer to Section 8 on this Safety Data Sheet, EXPOSURE CONTROLS / PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Emergency Procedures: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002). US CERCLA Reportable quantity (RQ): None reported.

Methods and materials for containment and cleaning up: Ventilate area of release. Eliminate all ignition sources. Stop spill or leak at source if safely possible. Contain material, preventing it from entering sewer lines or waterways. Using HEPA vacuum, or other dustless methods, gather up spilled material and place in suitable container for later disposal. Notify the appropriate authorities as required.

Prohibited materials: Avoid adding water, material becomes alkaline when wet.

Environmental precautions: Do not allow product to enter drains or waterways. Do not allow material to contaminate ground water system.

Section 7: Handling and Storage

Special instructions: Mixing the product according to the directions in the Technical Data Sheet will produce airborne dusts, including crystalline silica. Wear a dust mask (N-95 or higher) while mixing. Use ventilation to control levels of dust in the work area.

Safe handling procedures: Corrosive! Wear chemically resistant protective equipment during handling. Use in a well-ventilated area. Training the workers on the potential health hazards associated with product dust is important. Secondary inhalation exposures could occur when cleaning equipment or when removing or laundering the clothing. Do not breathe dust. Avoid contact with skin, eyes and clothing. Avoid wet or humid conditions. Keep away from acids and incompatibles. Avoid and control operations which create dust. Keep containers tightly closed when not in use. Wash thoroughly after handling.

Storage requirements: Store in a cool, dry, well-ventilated area. Store away from heat and open flame. Avoid storing in direct sunlight. Store in original container. Keep tightly closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

Incompatible materials: See Section 10.

Special packaging materials: Always keep in containers made of the same materials as the supply container.

Section 8: Exposure Controls/Personal Protection

Permissible Exposure Limits: No exposure limits have been established for the product itself. Below are exposure limits for the components in the product.

| Threshold Limit Values for the Ingredients | CAS # | ACGIH TLV | | OSHA PEL | |
|--|------------|---|------|--|------|
| | | TWA | STEL | PEL | STEL |
| Limestone | 1317-65-3 | TLV Withdrawn In 2007 | N/Av | 15 mg/m3 (Total dust); 5 mg/m3 (respirable) | N/Av |
| Calcium aluminate cement | 65997-16-2 | 1 mg/m3 (as Aluminum metal and insoluble compounds) | N/Av | N/Av | N/Av |
| Calcium sulfate | 7778-18-9 | 10 mg/m3 (inhalable) | N/Av | 15 mg/m3 (Total dust); 5 mg/m3 (respirable) | N/Av |
| Portland cement | 65997-15-1 | 1 mg/m3 (respirable, no asbestos and < 1% crystalline silica) | N/Av | 15 mg/m3 (Total dust); 5 mg/m3 (respirable) | N/Av |
| Vinyl acetate copolymer | 24937-78-8 | 10 mg/m3 (Total dust); 3 mg/m3 (respirable) | N/Av | 15 mg/m3 (Total dust); 5 mg/m3 (respirable) | N/Av |
| Crystalline silica, quartz | 14808-60-7 | 0.025 mg/m3 (respirable fraction) | N/Av | 0.1 mg/m3 (respirable) (final rule limit) | N/Av |

Respiratory Protection: A NIOSH approved dust mask is recommended according to OSHA regulation 29 CFR 1910.134.

Ventilation: Fan or forced air exhaust. If ventilation is inadequate use respiratory protection.

Protective Gloves: Use rubberized gloves according to OSHA regulation 29 CFR 1910.138.

Eye Protection: Wear safety goggles or face shield according to OSHA regulation 29 CFR 1910.133.

Other Protective Clothing or Equipment: Safety showers, eye wash stations and washing facilities should be available.

Work/Hygienic Practices: Wash thoroughly with soap and water before eating, smoking or using washroom. Remove and wash contaminated clothing before re-use.

Section 9: Physical and Chemical Properties

| | | | |
|--|---------------|--|---------------|
| Physical state: | solid | Appearance: | gray powder |
| Odor: | No odor | Odor threshold: | N/Av |
| pH: | 10 – 12 | Specific gravity: | 2.7 – 3.1 |
| Boiling point: | N/Av | Coefficient of | |
| Melting/Freezing point: | N/Av | water/oil distribution: | N/Av |
| Vapor pressure (mm Hg @ 20°C / 68°F): | N/Av | Solubility in water: | < 55 g/L |
| Vapor density (Air = 1): | N/Av | Evaporation rate (n-Butyl acetate = 1): | N/Av |
| Volatile organic compounds (VOCs): | 0 g/L | Volatiles (% by weight): | N/Av |
| Particle size: | N/Av | Flammability classification: | Not flammable |
| Flash point: | N/Av | Lower flammable limit (% by vol): | Not available |
| Flash point method: | N/Av | Upper flammable limit (% by vol): | Not available |
| Auto-ignition temperature: | N/Av | Decomposition temperature: | Not available |
| Viscosity: | Not available | Oxidizing properties: | Not available |

Explosion data: Sensitivity to mechanical impact / static discharge:

Not expected to be sensitive to mechanical impact or static discharge.

Section 10: Stability and Reactivity

Reactivity: Contact with water may cause hydration and formation of caustic calcium hydroxide.

Stability: Stable under the recommended storage and handling conditions prescribed.

Hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: High temperatures.

Materials to avoid and incompatibility: Oxidizing agents.

Hazardous decomposition products: None known refer to hazardous combustion products in Section 5.

Section 11: Toxicological Information

Routes of exposure : *Inhalation:* YES *Skin Absorption:* NO *Skin and Eyes:* Yes *Ingestion:* YES

Symptoms of exposure : See Section 4.

Calculated Acute Toxicity Estimates for the Product

Inhalation : Not Available

Oral : Not Available

Dermal : Not Available

Toxicological data : There are insufficient data for estimating the product's acute toxicity. Several components become caustic in the presence of water, and therefore should not be inhaled, ingested, or allowed to contact skin.

See below for individual ingredient acute toxicity data.

| Acute Toxicity Parameters for the Ingredients | CAS # | LC50, Inhalation mg/L, Rat, 4 hr | LD50, Oral mg/kg, rat | LD50, Dermal mg/kg, rabbit |
|---|------------|----------------------------------|-----------------------|----------------------------|
| Limestone | 1317-65-3 | N/Av | 6,450 | N/Av |
| Calcium aluminat cement | 65997-16-2 | N/Av | N/Av | N/Av |
| Calcium sulfate | 7778-18-9 | N/Av | > 3,000 | N/Av |
| Portland cement | 65997-15-1 | N/Av | N/Av | N/Av |
| Vinyl acetate copolymer | 24937-78-8 | N/Av | > 1,000 | N/Av |
| Crystalline silica, quartz | 14808-60-7 | N/Av | N/Av | N/Av |

Skin corrosion or irritation: Causes skin corrosion when wet.

Serious eye damage / eye irritation: Causes eye burns. May cause blindness.

Respiratory or skin sensitization: Portland cement may cause an allergic skin reaction, in hypersensitive individuals possibly due to trace amounts of chromium.

Germ cell mutagenicity: None known.

Carcinogenic status: This product contains Crystalline silica. Crystalline silica (respirable size) is classified as carcinogenic by inhalation by IARC (Group 1), ACGIH (Group A2), NTP (Group 1) and OSHA (OSHA Select carcinogen). No other components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive toxicity: None known.

Specific Target Organ Toxicity, Single Exposure

: May cause respiratory irritation.

Specific Target Organ Toxicity, Repeated Exposure

: May cause lung damage upon repeated or prolonged exposure.

Aspiration hazard: None known.

Additional information: N/Av

Carcinogenicity:

| | ACGIH | IARC | NTP | OSHA |
|---------------------------|----------------------------|------------------|------------------|------|
| Crystalline Silica | Suspected Human Carcinogen | Human Carcinogen | Known Carcinogen | N.E. |

WARNING: This product contains crystalline silica, a chemical known to the State of California (Proposition 65) to cause cancer, birth defects and/or other reproductive toxicity.

SIGNS AND SYMPTOMS OF EXPOSURE: Cough dyspnea (breathing difficulty), wheezing, decreased pulmonary function, progressive respiratory symptoms (silicosis), irritation eyes and potential occupational carcinogen.

Section 12: Ecological Information (non-mandatory)

Environmental effects: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Eco toxicological: No data is available on the product itself.

Eco toxicity: No data available.

Biodegradability: No data available.

Bio accumulative potential: No data available.

Mobility in soil: No data available.

PBT and vPvB assessment: No data available.

Other adverse effects: No data available.

Section 13: Disposal Considerations (non-mandatory)

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Handling for disposal : Handle waste according to recommendations in Section 7.

Methods of disposal : You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

Packaging : Handle contaminated packaging in the same manner as the product.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

Section 14: Transport Information (non-mandatory)

| | | | |
|--|--------------------------|--|--------|
| DOT Transportation Data (49 CFR 172.101): | | US Domestic Ground Shipments: | NA |
| Shipping Name: | Not a Regulated Material | Maritime Transport: | NA |
| Hazard Class: | Non-Hazardous | Air Transport: | NA |
| ID No.: | NA | Placards: | NA |
| Packing Group: | NA | National Motor Freight NMF-100-0: | Cement |
| Label: | NA | Item: | 42130 |
| Limited Quantity Exceptions: | NA | Class: | 55 |

Section 15: Regulatory Information (non-mandatory)

| | | | | | |
|-----------------------------------|---|----------------|----------------------|------------|--------------------|
| OSHA Status: | Irritant | | | | |
| SARA Title III: | Section 312 Extremely Hazardous Substances: None Section 311/312 Hazard Categories: Acute Health Hazard Section 313 Toxic Chemicals: None | | | | |
| RCRA Status: | If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product derived from the product should be classified as a hazardous waste. | | | | |
| California Proposition 65: | The chemical(s) noted below are contained in this product and are known to the state of California to cause cancer, birth defects or other reproductive harm: <table><tr><td><u>CAS No.</u></td><td><u>Chemical Name</u></td></tr><tr><td>14808-60-7</td><td>Crystalline Silica</td></tr></table> | <u>CAS No.</u> | <u>Chemical Name</u> | 14808-60-7 | Crystalline Silica |
| <u>CAS No.</u> | <u>Chemical Name</u> | | | | |
| 14808-60-7 | Crystalline Silica | | | | |

Canadian Information:

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all of the information required by the HPR.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non- Domestic Substances List (NDSL).

Section 15: Regulatory Information (non-mandatory) - (Continued)

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes:

Immediate (Acute) Health Hazard

Chronic Health Hazard.

Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above *de minimus* concentrations.

U.S. State Right To Know Laws

California Proposition 65: Warning! This product contains a chemical known to the State of California to cause cancer. It contains Crystalline silica, quartz.

Other State Right to Know Laws:

| Ingredient on State RTK Law? | CAS # | CA | MA | MN | NJ | PA | RI |
|------------------------------|------------|----|-----|-----|-----|-----|-----|
| Limestone | 1317-65-3 | No | YES | No | YES | YES | YES |
| Portland cement | 65997-15-1 | No | YES | No | YES | YES | YES |
| Calcium sulfate | 7778-18-9 | No | YES | No | YES | YES | No |
| Crystalline silica, quartz | 14808-60-7 | No | YES | YES | YES | YES | YES |

Section 16: Other Information

Version 2.1

Revised 11/15

Comments: This Safety Data Sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this datasheet, which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of this product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

| Legend |
|---|
| ACGIH – American Conference of Governmental Hygienists |
| NTP – National Toxicology Program |
| CAS (#) – Chemical Abstracts Service OSHA – Occupational Safety and Health Administration |
| CERCLA – Comprehensive Environmental Response, Compensation and Liability Act |
| PEL – Permissible Exposure Limit |
| DOT – Department of Transportation RCRA – Resource Conservation and Recovery Act |
| DSL – Domestic Substance List SARA – Superfund Amendments and Reauthorization Act |

| |
|--|
| EPA – Environmental Protection Agency STEL – Short Term Exposure Limit |
| HMIS – Hazardous Materials Information System TLV – Threshold Limit Value |
| IARC – International Agency for Research on Cancer TSCA – Toxic Substances Control Act |
| MPPCF – Million Particles per Cubic Foot TWA – Time Weighted Average |
| NFPA – National Fire Protection Agency VOC – Volatile Organic Compound |
| NIOSH – National Institute for Occupational Safety and Health |
| WHMIS – Workplace Hazardous Materials Information System |