



01-1451

**Date:** 08/13/2025

**Submittal No:** 08

**Project:** Fletcher ES Mod. Classroom Building  
BP# 02 Building & Site Concrete  
9801 Highland Knolls Dr.  
Bakersfield, CA 93306

**Owner:** Bakersfield City School District  
1300 Baker St.  
Bakersfield, CA 93305

**Architect:** Ordiz Melby Architects, Inc.  
5500 Ming Ave. Ste. 280  
Bakersfield, CA 93309

**Contractor:** JTS Construction  
P.O. Box 41765  
Bakersfield, CA 93384-1765

**Subcontractor:** N/A

**Submittal:** Site Concrete Miscellaneous

**Contractor's Stamp**  
JTS CONSTRUCTION  
BY: Omar Cabral  
DATE: 08/13/2025  
REVIEWED/RESUBMIT

<input checked="checked" type="checkbox"/>	REVIEWED	<input type="checkbox"/>	NOT ACCEPTABLE
<input type="checkbox"/>	REVISE AND RESUBMIT	<input type="checkbox"/>	FOR RECORD ONLY
<input type="checkbox"/>	REVIEWED AND CORRECTED		

The review of Shop Drawings and/or Submittals is only for conformance with the design concept of the Project and compliance with the information given in the contract documents. Contractor is responsible for dimension confirmation and correlation at the job site, for information that pertains solely to the fabrication processes or to techniques of construction, and for coordination of the work of all trades involved in the project. The review of these Shop Drawings and/or Submittals does not relieve the Contractor from compliance with the Contract Documents.

**Ordiz-Melby Architects, Inc.**

BY Muhammad Alsharif DATE 08/15/2025



# SAFETY DATA SHEET

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product:** 1100 (California) **Part Number:** 3111500  
**Manufacturer:** W. R. MEADOWS OF NORTHERN CALIFORNIA **Address:** 652 Indiana Street  
Benicia, California 94510  
**Telephone:** (707) 745-6666 **In case of emergency, dial (800) 424-9300 (CHEMTREC)**  
**Revision Date:** 11/21/2022  
**Product Use:** Concrete Curing Compound

## SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

HMIS	HAZARD STATEMENTS
<b>Health</b>   1	<b>WARNING!</b> Causes skin irritation. (Category 2)
<b>Flammability</b>   0	Causes eye irritation. (Category 2B)
<b>Reactivity</b>   0	<b>PRECAUTIONARY STATEMENTS</b>
<b>Personal Protection</b>	Avoid direct contact. Avoid of inhalation of mists/vapors.



## SECTION 3: HAZARDOUS COMPONENTS

<u>Chemical Name:</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>SARA 313</u>	<u>Vapor Pressure (mm Hg@20°C)</u>	<u>LEL (@25°C)</u>
1. Light Aromatic Naphtha	64742-95-6	1-5	No	2.1	1

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313."

## SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** Immediately flush eyes with water for fifteen minutes. If symptoms persist, seek medical attention.  
**SKIN CONTACT:** Remove contaminated shoes/clothing. Wipe excess from skin and wash with soap if available. Seek medical attention if irritation persists. Do not use clothing until thoroughly decontaminated.  
**INHALATION:** Remove victim to fresh air and treat symptomatically. Seek medical attention if symptoms persist.  
**INGESTION:** Do not induce vomiting. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent lung aspiration. Seek immediate medical attention.  
**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC:** See Section Eleven for Symptoms/Effects.

## SECTION 5: FIRE AND EXPLOSIVES HAZARDS

**FLASHPOINT:** >210 °F  
**EXTINGUISHING MEDIA:** Water fog, foam, dry chemical, or carbon dioxide.  
**CHEMICAL/COMBUSTION HAZARDS:** Carbon dioxide, carbon monoxide, and incomplete combustion products.  
**PRECAUTIONS/PERSONAL PROTECTIVE EQUIPMENT:** Avoid smoke inhalation. Personal protective equipment should include helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH-approved self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Evacuate unauthorized personnel from spill area. Wear appropriate personal protective equipment. Shut off source of spill if safe to do so. Dike and contain. Recover free product and soak up residue with an absorbent, such as clay or other suitable material. Place in non-leaking containers for proper disposal. Flush area to remove trace residues. Dispose of flush solutions as above.

## SECTION 7: HANDLING AND STORAGE

**SAFE HANDLING PROCEDURES:** Avoid direct contact.  
**SAFE STORAGE:** Keep containers closed when not in use. Prevent product from freezing.

# SAFETY DATA SHEET

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

		OSHA			ACGIH			
Chemical Name:	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	SKIN
1. Light Aromatic Naphtha	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
<i>N/E = Not Established</i>								

**ENGINEERING CONTROLS:** None required under normal use conditions.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses, chemical-resistant gloves.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> 212 °F	<b>VAPOR DENSITY:</b> > 1 (Air=1)	<b>% VOLATILE BY VOLUME:</b> 85
<b>EVAPORATION RATE:</b> <1 (Ether =1)	<b>pH LEVEL:</b> 8.80	<b>% VOLATILE BY WEIGHT:</b> 84
<b>WEIGHT PER GALLON:</b> 8.33	<b>PRODUCT APPEARANCE:</b> Tan Liquid	<b>VOC CONTENT:</b> 42 g/L
<b>ODOR:</b> None	<b>ODOR THRESHOLD:</b> N/D	<b>MELTING/FREEZING POINT:</b> N/D
<b>FLASH POINT:</b> See Section 5	<b>FLAMMABILITY:</b> N/D	<b>UEL/LEL:</b> N/D
<b>VAPOR PRESSURE:</b> N/D	<b>RELATIVE DENSITY:</b> N/D	<b>SOLUBILITY:</b> N/D
<b>PARTITION COEFFICIENT:</b> N/D	<b>AUTOIGNITION TEMPERATURE:</b> N/D	<b>DECOMPOSITION TEMPERATURE:</b> N/D
<b>VISCOSITY:</b> N/D	<i>N/D: Not Determined</i>	

## SECTION 10: STABILITY/REACTIVITY

**STABILITY:** Stable.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS AND MATERIALS TO AVOID:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None recognized.

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYE CONTACT:** Direct contact may cause mild to moderate irritation. Product vapors/mists may also cause irritation.

**SKIN CONTACT:** Direct contact may result in mild to moderate irritation.

**INHALATION:** Not expected to be an exposure pathway under normal use conditions.

**INGESTION:** Not expected to be an exposure pathway under normal use conditions.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, redness, and swelling. Symptoms of skin irritation include reddening, swelling, and rash. Symptoms of respiratory irritation include runny nose, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

**AGGRAVATED MEDICAL CONDITIONS:** None recognized.

**OTHER HEALTH EFFECTS:** None recognized.

## SECTION 12: ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b> N/E	<b>DEGRADABILITY:</b> N/E	<b>BIOACCUMULATIVE POTENTIAL:</b> N/E
<b>SOIL MOBILITY:</b> N/E	<b>OTHER ADVERSE EFFECTS:</b> N/E	<i>N/E = Not Established</i>

## SECTION 13: WASTE DISPOSAL INFORMATION

**WASTE DISPOSAL INFORMATION:** Classified as a non-hazardous waste.

## SECTION 14: TRANSPORTATION INFORMATION

**HAZARDOUS/NON-HAZARDOUS MATERIAL:** Non-hazardous.

**UN NUMBER:** None.

**HAZARD CLASS:** None.

**PACKING GROUP:** None.

**UN PROPER SHIPPING NAME:** Not regulated.

**ENVIRONMENTAL HAZARDS:** Not applicable.

**BULK TRANSPORTATION INFORMATION:** Not regulated when shipped in bulk configuration.

**SPECIAL PRECAUTIONS:** Protect product from freezing.

## SECTION 15: REGULATORY INFORMATION

**OTHER REGULATORY CONSIDERATIONS:** None.

## SAFETY DATA SHEET

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SECTION 16: OTHER INFORMATION		
PREPARATION DATE:	11/21/2022	
PREPARED BY:	Dave Carey	

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*The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of this product described herein.*

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MasterFormat: 03 39 23

JANUARY 2023  
(Supersedes November 2019)

# 1100

## Resin-Based, Water Emulsion Concrete Curing Compound

### DESCRIPTION

1100 water-based concrete curing compound is formulated from hydrocarbon resins and may be used on interior, exterior, vertical, and horizontal concrete surfaces. Once applied, 1100 forms a premium-grade membrane that retains an optimum amount of water in freshly placed concrete for complete hydration of the cement. **NOTE:** After approximately four weeks, the membrane begins to chemically break down when exposed to UV rays. The membrane will eventually dissipate from the surface. This process is sped up by exposure to traffic and UV light, as well as weathering conditions. This product is formerly known as 1100-CLEAR.

### USES

1100 can be used on both interior and exterior applications. Paint, resilient tile, or resilient flooring may be applied on concrete cured with 1100, once the product has dissipated and/or has been properly removed. Because of the wide variety of coatings, paints, adhesives, and toppings available, contact the manufacturer of the flooring system or subsequent coating or topping for application approval over concrete cured with resin-based curing compounds. A small test application is always recommended.

### FEATURES/BENEFITS

- When properly applied, 1100 produces a premium-grade film, which optimizes water retention.
- Furnished as a ready-to-use, true water-based compound.
- Produces hard, dense concrete ... minimizes hair checking, thermal cracking, dusting, and other defects.
- Offers a compressive strength significantly greater than improperly cured or uncured concrete.
- Increases tensile strength for greater resistance to cracking and surface crazing.
- Improves resistance to abrasion and the corrosive actions of salts and chemicals.

- Minimizes excessive shrinkage.
- Can be applied quickly and easily with conventional commercial spray equipment.
- Formulations also available with red fugitive dye added (Type 1-D).
- VOC-compliant.

### PACKAGING

5 Gallon (18.93 L) Pails  
55 Gallon (208.20 L) Drums  
275 Gallon (1040.99 L) Totes

### COVERAGE

Approximately 200 ft.<sup>2</sup>/gal. (4.91 m<sup>2</sup>/L). Coverage is approximate and may vary depending on surface finish/texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual coverage rate before full-scale application.

### SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 40° - 90° F (4° - 32° C), optimum performance and best use is obtained within two years of date of manufacture.

### SPECIFICATIONS

- AASHTO M 148, Type 1, Classes A & B (Type 1-D also available)
- ASTM C309, Type 1, Classes A & B (Type 1-D also available)
- Complies with all current federal, state, and local maximum allowable VOC requirements, including National EPA VOC Emission Standard for Architectural Coatings, CARB, LADCO, OTC Phase I and II, and SCAQMD.

### TECHNICAL DATA

VOC Content by manufacturing location:

AZ, CA: 86 g/L  
IL, GA, PA, TX: 278 g/L

**CONTINUED ON REVERSE SIDE ...**

#### W. R. MEADOWS, INC.

P.O. Box 338 • HAMPSHIRE, IL 60140-0338  
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1-800-342-5976  
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## APPLICATION

**Mixing...** For optimum performance, gentle mixing or agitation is recommended. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY. DO NOT THIN.

**Application Method...** Application equipment must be clean and free of all previously used materials. Apply in a uniform film to horizontal surfaces as soon as the surface water disappears and the surface will not be marred by walking workmen. On vertical surfaces, apply promptly after the forms are removed. 1100 may be applied with a typical commercial hand or power sprayer, such as a Chapin 1949. Use a spray nozzle that produces a flow of 0.5 GPM (1.9 LPM) under 40 psi (.276 MPa) of pressure. An even spray pattern/application is essential to the aesthetic and final appearance of the concrete. Be mindful of clogged or partially clogged spray tips that spray 1100 in an uneven and uniform pattern. Do not allow the spray nozzle to drip on fresh concrete. Drips and uneven spray patterns apply higher concentrations of the film, which may cause the cement to hydrate at different rates. Removal of the film will not change the spray patterns mirrored in the concrete surface from the cement hydrating at different rates.

**Drying Time...** Typically dries in 1 - 2 hours, depending on jobsite conditions (temperature, % relative humidity, wind, etc.). Restrict foot traffic for at least four hours. Twelve hours is preferable.

**Cleanup...** Prior to drying, cleanup can be accomplished with soap and water. Once dried, use mineral spirits or other suitable petroleum solvent.

## PRECAUTIONS

KEEP FROM FREEZING. Do not apply if air and/or concrete temperature is less than 40° F (4° C). Improper or over-application may increase the amount of time necessary for the film to dissipate from the surface. SURFACE MAY DISCOLOR AND/OR YELLOW DUE TO OVER-APPLICATION AND/OR MEMBRANE OXIDATION. DO NOT MIX OR DILUTE WITH ANY OTHER PRODUCTS OR LIQUIDS. Do not apply paint, resilient flooring, or any other subsequent coatings or toppings without first checking the specifications and securing approval from the manufacturer of the product being applied over concrete cured with 1100. A small test application is always recommended, prior to full-scale application. The 1100 membrane may take longer to dissipate if overapplied or has had limited exposure to UV light and environmental conditions, etc.

## HEALTH AND SAFETY

Direct contact may result in mild irritation. Read and follow all application, precaution, label, and health and safety information prior to use. Refer to Safety Data Sheet for complete health and safety information.

For most current data sheet, LEED information, and SDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).



### LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

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