



# ChemMasters®

## Safe-Cure® 800

White Pigmented  
Concrete Curing Compound

### Quality • Innovation • Service

## P R O D U C T D A T A

### DESCRIPTION

**Safe-Cure 800** is a water-based, white pigmented wax emulsion curing compound for freshly placed concrete. When applied to new concrete, **Safe-Cure 800** forms a film to retain water and promote the full hydration of cement to achieve maximum design strength and durability. Use of **Safe-Cure 800** will minimize shrinkage cracks while reflecting sunlight to reduce surface temperatures during the curing process.

### USES

- **Safe-Cure 800** is used to cure exterior concrete including pavement, curbing, sidewalks, parking lots, median barriers and foundations.

### ADVANTANGES

- Exceeds the moisture retention requirements of ASTM C309
- Superior spraying characteristics, will not clog spray equipment
- White pigment reflects sunlight to reduce surface temperatures and helps gauge coverage and application rate
- Stable emulsion, will not hard pack in container
- DOT approved in many states

Packaging Product Number		
5 gal (18.9L)	36 per pallet	F1615.05
55 gal (208L)	4 per pallet	F1615.55
275 gal (1040L)		F1615.275
Bulk tanker up to 5,500 gal (20,790L)		F1615.00

### TECHNICAL DATA

- ASTM C309, Type 2, Class A – *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- AASHTO M-148, Type 2, Class A
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

- DOT certifications available upon request
- Meets FAA specifications for projects requiring ASTM C309

Test Data	
V.O.C.	< 50 g/L
Solids %	20 +/- 2
Water Loss kg/m <sup>2</sup>	<0.55 @75 hours
Flash Point °F (°C)	>200 (93)
Weight lbs/gal (kg/L)	8.2 to 8.4 ( 0.98 to 1)
Light Reflectance	60% minimum
Settling (150 ml Kimax cylinder)	< 5 ml in 2 hrs <25 ml in 24 hrs

Estimating Guide Coverage dependent on surface texture and porosity	
Curing	200 (5 m <sup>2</sup> /L)

### DIRECTIONS

**Application:** Apply **Safe-Cure 800** after all bleed water has dissipated and application will not mar surface. Apply uniformly leaving no pinholes or gaps. Do not allow material to puddle.

**Mixing:** Do not dilute. Stir or agitate **Safe-Cure 800** before using to disperse pigments and solids uniformly. If using a pump, use an air diaphragm pump to circulate **Safe-Cure 800**. Do not use a centrifugal pump. Mix only long enough to make the **Safe-Cure 800** homogenous. Do not over mix as this may cause foaming and may damage the curing compound.

**Spray Application:** Always use a dedicated sprayer for water-based curing and sealing products. Use a low pressure airless sprayer equipped with a fan nozzle of 0.030 to 0.035" at 1 gpm. The optimum spray pattern is a 8 to 12" (20 to 30 cm) fan. Hold sprayer tip 8 to 12" (20 to 30 cm) from the concrete surface.

**Roller Application:** Use a short napped roller (3/8" or less).



**ChemMasters® Inc.**

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**Drying Time:** **Safe-Cure 800** dries in less than 4 hours at 70°F (21°C) at 50% relative humidity. Cooler temperatures or higher relative humidity may slow drying process.

**Clean Up:** Clean tools and equipment immediately after use with warm water and detergent

#### LIMITATIONS

- **Safe-Cure 800** is not recommended for interior use or where appearance is important
- Do not apply if surface or ambient temperature is below 40°F (4°C). Product must be conditioned to 50°F (10°C) prior to application.
- Do not allow product to freeze.
- Do not use **Safe-Cure 800** as a bond breaker for tilt-up construction.

#### STORAGE

Store in tightly closed containers out of direct sunlight between 50 and 100°F (10 and 38°C). Storing in direct sunlight or at high temperatures may cause bacterial growth which can destroy the product. Bacterial growth will cause the product to appear gray in color and create an objectionable odor. Product should not be used if this occurs. Shelf life of properly stored material is one year from date of manufacture.

Make certain that the most current version of the Product Data Sheet and Safety Data Sheet are being used. Go to [www.chemmasters.net](http://www.chemmasters.net) or contact ChemMasters Technical Service at 800-486-7866 to verify the most current version.

Product selection and application are the sole responsibility of the user. ChemMasters can only make technical recommendations and cannot provide jobsite quality control. All label and SDS precautions must be fully understood before use.

#### PRECAUTIONS:

**WARNING:** May be harmful if swallowed. Causes eye irritation. May cause an allergic skin reaction.

**Precautionary Statements:** Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

**All label precautions and Safety Data Sheet must be fully understood before using this product.  
Keep out of the reach of children.**

#### THIS PRODUCT IS FOR COMMERCIAL USE ONLY – IT IS NOT A CONSUMER PRODUCT.

Before using this product read entirely this paragraph and the Manufacturer's Warranty and Limitations of Liability at [Chem-Masters.net/Warranty.php](http://Chem-Masters.net/Warranty.php) (or by using the adjacent QR Code) incorporated herein (collectively the "Terms"). To reject any of the Terms buyer must return the unopened product container at once to the seller from which it was purchased. By opening or using this product buyer accepts without objection or modification all Terms. Subject to applicable law, **MANUFACTURER DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE**, and buyer agrees that in lieu of all other remedies in manufacturer's sole discretion it will either replace defective product or refund the reasonable purchase price, and in no event may you recover from manufacturer any special, incidental or consequential damages even if it was aware of the possibility of such damages.

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