

Date of preparation: 07/01/04

**SECTION I**

Manufacturer : **W. R. MEADOWS OF S. CA**  
 Address : 2300 West Valley Boulevard  
 : Pomona, CA 91768

**- H M I S -**

<b> Health</b>	<b>: 0  </b>
<b> Flammability</b>	<b>: 1  </b>
<b> Reactivity</b>	<b>: 0  </b>
<b> Personal Protection</b>	<b>:  </b>

Telephone # : (909) 469-2608  
 Emergency # : 1-800-424-9300 Chemtrec

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)

Product Class : DIVISION 3  
 Mfg. code I.D. : 3218000  
 Trade Name : **CC-309-20WS CONCRETE CURING COMPOUND**

**SECTION II-A HAZARDOUS COMPONENTS**

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Titanium Dioxide	13463-67-7	1-5	NO	N/A	N/A

None of the components of this product are recognized as carcinogenic. N/A = Not Applicable

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (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 II-B OCCUPATIONAL EXPOSURE LIMITS**

No.	PEL/TWA	OSHA			ACGIH			SKIN
		PEL/CEILING	PEL/STEL	SKIN	TLV/TWA	TLV/CEILING	TLV/STEL	
1.	15 mg/m <sup>3</sup> *	N/E	N/E	NO	10 mg/m <sup>3</sup> *	N/E	N/E	NO

N/E = Not Established \* = Total Dust

The dried film of this product may become a dust nuisance when removed by sanding or grinding. OSHA recommends a PEL/TLV of 15 mg/m<sup>3</sup> for total dust and 5 mg/m for the total respirable fraction. ACGIH recommends a TLV/TWA of 10 mg/m<sup>3</sup> for total dust.

Skin absorption may contribute to the overall exposure to this material. Take appropriate measures to prevent skin contact.

**SECTION III PHYSICAL DATA**

<b>Boiling Point</b>	: 212 degrees F	<b>% Volatile by volume</b>	: 69.00 (Theoretical)
<b>Evaporation Rate</b>	: <1 (ether = 1)	<b>% Volatile by weight</b>	: 70.00 (Theoretical)
<b>Vapor Density</b>	: > 1 (air = 1)	<b>Weight per gallon</b>	: 8.09 (Theoretical)
<b>pH Level</b>	: 8.90		

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** Based on the presence of component 1, this product is non-irritating to the eyes. Dust may cause mechanical irritation.

**SKIN CONTACT:** Based on the presence of component 1, this product is non-irritating to the skin. Dust may cause mechanical irritation of the skin.

**INHALATION:** Exposure may produce irritation to the nose, throat, respiratory tract and other mucous membranes. Based on the presence of component 1 prolonged inhalation of dust may result in shortness of breath.

**INGESTION:** May cause irritation of the gastrointestinal tract.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, 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:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired asthmatic conditions may be aggravated from prolonged and continuous exposure to dust. Functions from pre-existing disorders may be aggravated by exposure to this product.

**OTHER HEALTH EFFECTS:** Overexposure to Titanium Dioxide dust may cause slight lung fibrosis.

**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** Immediately flush eyes with copious amounts of water for at least fifteen (15) minutes while holding eyelids open. Seek prompt medical attention.

**SKIN CONTACT:** Remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists seek medical attention.

**INHALATION:** If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**INGESTION:** Dilute with liquid unless the victim is unconscious or very drowsy. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician, hospital, or poison control center and/or transport to an emergency facility immediately.

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**SECTION VI FIRE AND EXPLOSION HAZARDS**

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**FLAMMABILITY CLASSIFICATION** - NFPA: Combustible Liquid - Class IIB  
- DOT: Not Regulated

**FLASH POINT:** Greater than 210 degrees F

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or Carbon Dioxide

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** Clear fire area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure..

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**SECTION VII REACTIVITY**

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**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS AND MATERIALS TO AVOID:** None recognized.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield Carbon Dioxide, Carbon Monoxide, and/or incomplete combustion products. Do not breathe smoke or fumes. Wear appropriate protective equipment.

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**SECTION VIII EMPLOYEE PROTECTION**

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**RESPIRATORY PROTECTION:** None required with normal product use.

**PROTECTIVE CLOTHING:** Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.

**ADDITIONAL PROTECTIVE MEASURES:** Eye wash fountains and safety showers should be available for use in an emergency.

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**SECTION IX ENVIRONMENTAL PROTECTION**

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**SPILL OR LEAK PROCEDURES:** LARGE SPILLS>> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>> Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

**WASTE DISPOSAL:** Observe all Federal, State and local regulations regarding proper disposal.

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**SECTION X ADDITIONAL PRECAUTIONS**

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Keep containers closed when not in use. Use with adequate ventilation. Containers can contain product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

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 the product described herein.