

PRODUCT NAME: ROOFMATE CERAMIC WHITE

PRODUCT CODE: RM-CE-W

~~~~ SECTION 1 ~~~~ MANUFACTURER IDENTIFICATION ~~~~

Manufacturer's Name : UNITED COATINGS MANUFACTURING CO
 Address : 19011 EAST CATALDO AVE.
 : SPOKANE VALLEY, WASHINGTON 99016-9423
 : INITIAL (FIRST CALL) CHEMTREC (800) 424-9300
 INFORMATION PHONE : (509) 926-7143
 TOLL FREE : BACKUP (800) 541-4383
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~~~~ SECTION 2 ~~~~ HAZARDOUS INGREDIENTS/SARA III INFORMATION ~~~~

Reportable Components	CAS Number	MM HG @ Temp	Weight %
Acrylic polymer	MIXTURE	NO DATA NO DATA	43
No exposure guidelines have been established for this product.			
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Calcium Carbonate	1317-65-3	N/A N/A	23
OSHA PEL: 15mg/m3, Total Dust, 5mg/m3, Respirable Dust ACGIH TLV: 10mg/m3, total dust containing no asbestos and <1% free Silica. If silica levels above 1.0% are present, the TLV value is 0.1mg/m3 of Respirable silica for both OSHA PEL and ACGIH TLV.			

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Aluminum trihydroxide	21645-51-2	N/A N/A	12
OSHA, PEL 15mg/m3 total dust, 5mg/m3 respirable dust. ACGIH, TLV 10mg/m3 total dust			

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Water	7732-18-5	UNK UNK	12
No OEL's Established			

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Titanium dioxide	13463-67-7	N/A N/A	8
Contains: Titanium dioxide, CAS#13463-67-7, ACGIH TLV TWA: 10mg/m3, total dust, OSHA PEL TWA: 15mg/m3, total dust. Aluminum hydroxide, CAS#21645-51-2, no exposure limits established. Note: Titanium Dioxide has been classified in accordance with hazard criteria of the Controlled Product Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS: D2A-Very toxic material causing other toxic effects.			

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Indicates carcinogenic chemical.

NOTE: If tinted may contain Carbon Black CAS#1333-86-4 AND/OR Crystalline Silica CAS#14808-60-7. If tinted DARK GRAY or BLACK consider these levels to be reportable.

This MSDS may be used for other colors and container sizes of this product.

~~~~ SECTION 3 ~~~~ HAZARDS IDENTIFICATION ~~~~

Potential Health Effects

Eyes:

May cause slight/moderate irritation to the eye

Skin:

Contact causes moderate skin irritation. Causes drying of the skin.

Ingestion:

While this material has a low degree of toxicity, ingestion of large quantities may cause irritation of the digestive tract.

Inhalation:

May cause irritation to respiratory tract.

~~~~ SECTION 4 ~~~~ FIRST AID MEASURES ~~~~

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*Eyes:*

Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching, or burning sensations persist consult a physician or ophthalmologist immediately.

*Skin:*

Wash with plenty of soap and water. Remove contaminated clothing and shoes, wash before reuse. Consult a physician immediately.

*Ingestion:*

Not considered a potential route of exposure. If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician immediately.

*Inhalation:*

Remove from source of exposure and into fresh air. If symptoms persist consult a physician immediately. If not breathing, give artificial respiration and call emergency medical services immediately.

*Note to Physician:*

No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

~~~~ SECTION 5 ~~~~ FIRE FIGHTING MEASURES ~~~~

Flammable Properties

Flash Point: N/A

Lower Flammable Limits: N/A

Upper Flammable Limit: N/A

Auto Ignition Temperature: N/A

Extinguishing Media:

Foam, CO₂, dry chemical, water fog or spray, as appropriate for surrounding fire.

Special Fire Fighting Procedures:

Do not enter any enclosed or confined fire space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency.

~~~~ SECTION 6 ~~~~ ACCIDENTAL RELEASE MEASURES ~~~~

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*Small Spill:*

Stop spill at source. Pick up with mop and shovel. Rinse well with water.

*Large Spill:*

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up with sand, clay, earth, or other inert absorbent material and shoveled into containers. Do not flush into sewers. Material should be placed in a container for recovery or transfer to a disposal facility.

## ~~~~ SECTION 7 ~~~~ HANDLING AND STORAGE ~~~~~

*Handling & Storage:*

Keep from freezing. Keep container cool and dry. Use and store this product with adequate ventilation. Keep product containers tightly closed when not in use. Avoid subjecting this product to extreme temperature variations.

*Other Precautions:*

## ~~~~ SECTION 8 ~~~~ EXPOSURE CONTROLS/PERSONAL PROTECTION ~~~~~

*Engineering Controls:*

In outside spray, mixing and rolling applications situate workers upwind of operation & provide airflow in a downwind direction so as to carry fumes and residual spray away from workers. Local exhaust ventilation recommended if generating vapor, dust or mist. Turn off heating and/or air conditioning equipment to prevent contaminating building. If exhaust ventilation is not adequate, use MSHA or NIOSH approved respirator. Refer to OSHA standard 29 CFR 1910.94 for guidelines.

*Respiratory Protection:*

Wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use. Appropriate respirators may be a full-face piece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator. Refer to OSHA standard 29 CFR 1910.134 for additional information.

*Skin Protection:*

Chemical resistant gloves determined to be impervious under the conditions of use.

*Eye Protection:*

Safety glasses with side shields

## ~~~~ SECTION 9 ~~~~ PHYSICAL AND CHEMICAL PROPERTIES ~~~~~

Boiling Range: 212F/100C

Melting Point: N/A

Specific Gravity(H<sub>2</sub>O=1): 1.4021

Vapor Density(Air=1): Lighter than air

Vapor Pressure: 17mm Hg @ 20C/68F Water

Evaporation Rate(N-Butyl Acetate=1) : Slower than ether

Coating V.O.C.: 0.15 lb/gl                      Coating V.O.C.: 18 g/l

Material V.O.C.: 0.08 lb/gl                      Material V.O.C.: 10 g/l

Solubility in Water: Soluble

Appearance: Moderately viscous pigmented liquid, various colors.

Odor: AMMONIA ODOR

pH: ~9

~~~~ SECTION 10 ~~~~ STABILITY & REACTIVITY DATA ~~~~

Stability:

Stable

Conditions To Avoid:

Extremely hot or cold temperatures

Incompatible Materials:

Avoid contact with strong acids and strong oxidizing materials.

Hazardous Decomposition Products

Thermal decomposition may yield carbon monoxide and carbon dioxide. Unidentified organic compounds in fumes and smoke may be formed during combustion.

Hazardous Polymerization:

Not expected to occur

~~~~ SECTION 11 ~~~~ TOXICOLOGICAL INFORMATION ~~~~

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\*Data is for individual components of preparation.

Materials having a known chronic/acute effects on eyes:

NO DATA

Materials having a known dermal toxicity.

Titanium Dioxide CAS#13463-67-7 Dermal LD50 (rabbit) >10 g/kg

Materials having a known oral toxicity.

Aluminum Trihydrate CAS# 21645-51-2

LD50 Oral (rat): >5,000mg/kg

TITANIUM DIOXIDE CAS#13463-67-7 Oral LD50 (rat) >25 g/kg

Materials having a known Inhalation hazard:

TITANIUM DIOXIDE CAS#13463-67-7 LC50 (rat)>6.82 mg/l(4 hr)

Identified Acute/ Short-term Effects:

Headache, nausea, abdominal pain and irritation of the nose, throat and lungs. Skin and eye irritation.

Identified Carcinogens/Longterm Effects:

There are no reported health effects associated with repeated or prolonged exposure to pure calcium carbonate. Chronic exposure to limestone dust at concentrations exceeding occupational exposure limits may cause pneumoconiosis (lung disease). This product contains crystalline silica (quartz) as an impurity. Chronic exposure to crystalline silica dust at concentrations exceeding occupational exposure limits may cause silicosis. The NTP's Ninth Report on Carcinogens lists crystalline silica (respirable size) as a known human carcinogen. IARC concluded that there is sufficient evidence in humans for the carcinogenicity of inhaled (respirable) crystalline silica.

Identified Teratogens:

NO DATA

Identified Reproductive toxins :  
NO DATA.

Identified Mutagens:  
NO DATA.

~~~~ SECTION 12 ~~~~ ECOLOGICAL INFORMATION ~~~~

Ecotoxicological effects on plants and animals:
Aluminum Trihydrate CAS#21645-51-2
EC50 (fish): >10g/l
EC50 (Daphnia): >10g/l
Titanium Dioxide CAS#13463-67-7 96 Hr LC50 (Fathead minnows)>1,000 mg/l

Chemical Fate :
This product is not expected to be biodegradable. Avoid spillage into the environment.

~~~~ SECTION 13 ~~~~ DISPOSAL CONSIDERATIONS ~~~~

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Instructions:  
Dispose of unused product or contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Incineration is acceptable and the preferred method of disposal, however; nitrogen oxide emissions controls may be required to meet specifications. Chemical and biological degradation is possible. Empty containers will retain product residue and vapors and are subject to proper waste disposal, as above.

~~~~ SECTION 14 ~~~~ TRANSPORT INFORMATION ~~~~

Shipping Information:
DOT INFORMATION: 49 CFR 172.101
DOT DESCRIPTION: NON HAZARDOUS

~~~~ SECTION 15 ~~~~ REGULATORY INFORMATION ~~~~

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(Not meant to be all inclusive-selected regulations represented)  
US Regulations:  
Status Of Substances Lists:  
The Concentrations Shown In Section II Are Maximum Ceiling Levels (Weight %) to be used for calculations for regulations.  
A reportable quantity is a quantity of a hazardous substance that triggers reporting requirements under the Comprehensive Environmental Response Compensation And Liability Act (CERCLA).  
If a spill of a substance exceeds it's reportable quantity (RQ) in CFR 302.3, Table 40 302.4 Appendix A & 302.4 Appendix B, the release must be reported to The National Response Center At (800) 424-8802, The State Emergency Response Commission (SERC), And community emergency coordinators likely to be affected.  
Components present that could require reporting under the statute are:  
NONE KNOWN

Superfund Amendments And Reauthorization Act Of 1986 (SARA) Title III Requires emergency planning based on the Threshold Quantities (TPQ'S) and release reporting based on Reportable Quantities (RQ'S) In 40 CFR 355 Appendix A&B Extremely Hazardous Substances. The emergency planning and release requirements of 40 CFR 355 apply to any facility at which there is

present any amount of any extremely hazardous substance (EHS) equal to or in excess of it's Threshold Planning Quantity (TPQ). Components present that could require reporting under the statute are:  
NONE KNOWN

EPCRA 40 CFR 372 (Section 313) Requires EPA and the States to annually collect data on releases of certain toxic materials from industrial facilities, and make the data available to the public in the Toxics Release Inventory (TRI). This information must be included in all MSDS'S that are copied and distributed or compiled for this material. Reporting Threshold: Standard: A facility must report if it manufactures (including imports) or processes 25,000 pounds or more or otherwise uses 10,000 pounds or more of a listed toxic chemical during the calendar year. Components present that could require reporting under the statute are:  
See Section II

The components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) chemical substance inventory. Mixtures shall be assumed to present the same health hazards as do the components which comprise one percent (by weight or volume) or greater of the mixture, except that the mixture shall be assumed to present a carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater. The remaining percentage of unspecified ingredients, if any, are not contained in above DeMinimis concentrations and/or are believed to be non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), and may consist of pigments, fillers, defoamers, wetting agents, resins, dryers, anti-bacterial agents, water and/or solvents in varying concentrations.

International Regulations:

Canadian WHMIS:

This product is not listed in any division, class, or subdivision.

This Product Contains the following in recordable amounts:

Titanium Dioxide CAS#13463-67-7

WHMIS Classification: D2A

WHMIS Health Effects Criteria Met by this Chemical:

Very toxic material causing other toxic effects

Canadian Environmental Protection Act (CEPA):

All of the components of this product are exempt or listed on the DSL/NDSL. See Section II For Composition/Information on Ingredients.

EINECS:

All of the components of this product are listed in the EINECS inventory or are exempt from notification requirements.

State Regulations:

California:

California Proposition 65: The following Statement is made in order to comply with The California Safe Drinking Water and Toxic Enforcement Act of 1986

"WARNING: This product contains the chemical(s) appearing below known to the State of California to:

A: Cause Cancer

NONE KNOWN

\*If tinted contains Carbon Black: CAS#1333-86-4 and may also contain trace

amounts of Crystalline Silica: CAS#14808-60-7

B: Cause Birth Defects or other Reproductive Harm :

NONE KNOWN

In addition to the above named chemical(s) (if any), this product may contain trace amounts of chemicals, known to the State of California, to cause Cancer or Birth Defects and other Reproductive Harm

Delaware:

NONE KNOWN

Florida:

NONE KNOWN

Idaho:

NONE KNOWN

Massachusetts:

CALCIUM CARBONATE, CAS#1317-65-3

SUBSTANCE CODES:4

Titanium Dioxide CAS#13463-67-7 SUBSTANCE CODES:4

Michigan:

NONE KNOWN

Minnesota:

THE FOLLOWING ARE LISTED IN THE MINNESOTA HAZARDOUS SUBSTANCES LIST

| CHEMICAL NAME     | CAS#      | CODES | HAZARDS | CARCINOGEN? |
|-------------------|-----------|-------|---------|-------------|
| CALCIUM CARBONATE | 1317-65-3 | A     | --      | NO          |

Titanium Dioxide CAS#13463-67-7

Listed In The Minnesota Hazardous Substances List:

Codes: A

Hazards: --

Carcinogen? NO

New Jersey:

NONE KNOWN

New York:

NONE KNOWN

Pennsylvania:

CALCIUM CARBONATE CAS#1317-65-3 CODE:E

Titanium Dioxide CAS#13463-67-7 CODE:--

Washington:

WASHINGTON AIR CONTAMINANT:

CALCIUM CARBONATE (RESPIRABLE) CAS#1317-65-3

WA ppm mg/Cubic Meter

TWA UNK 5

STEL UNK UNK

CEILING UNK UNK

SKIN:UNK

|                               |                |                |
|-------------------------------|----------------|----------------|
| Titanium Dioxide (Total Dust) | CAS#13463-67-7 |                |
| Washington Air Contaminant:   | ppm            | mg/Cubic Meter |
| TWA                           | UNK            | 10             |
| STEL                          | UNK            | UNK            |
| CEILING                       | UNK            | UNK            |
| SKIN:UNK                      |                |                |

Wisconsin:

NONE KNOWN

West Virginia

The following is on the West Virginia Toxic Air Pollutant List:

Calcium carbonate   CAS#1317-65-3   (Pounds per Year):

~~~~ SECTION 16   ~~~~ OTHER INFORMATION ~~~~

HMIS® III

Health : 1

Flammability : 0

Physical Hazard : 0

*Following Health rating Indicates Chronic/Carcinogenic Effects

HMIS® III Personal Protection : G

This rating is for the product as it is packaged. This rating will need to be adjusted by the user based on conditions of use.

The information contained herein relates only to the specific material identified. United Coatings believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. To assure proper use & disposal of these materials & the safety & health of employees & customers, United Coatings urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.