

M A T E R I A L S A F E T Y D A T A S H E E T

#ACRYLEX 400 WHITE

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PRODUCT NAME: #ACRYLEX 400 WHITE
PRODUCT CODE: AX-PR-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  
DATE PRINTED : 5/31/2005  
DATE REVISED : May 2005

~~~~ SECTION 2 ~~~~ HAZARDOUS INGREDIENTS/SARA III INFORMATION ~~~~

| Reportable Components | CAS Number | MM HG @ Temp | Weight % |
|--|-------------------|--------------|----------|
| Acrylic emulsion | MIXTURE | 24.0 77F/25C | 47 |
| Deionized Water, CAS#7732-18-5, 52%, No OEL's Established | | | |
| Acrylic Emulsion, CAS#Proprietary, 48%, No OEL's Established | | | |
| ~ | | | |
| Water | 7732-18-5 | UNK UNK | 25 |
| No OEL's Established | | | |
| ~ | | | |
| Calcium Carbonate | 1317-65-3 | N/A N/A | 12 |
| 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. | | | |
| ~ | | | |
| 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. | | | |
| Amorphous silica, CAS# 112926-00-8, (7631-86-9) ACGIH TLV TWA: 10mg/m3, OSHA PEL TWA: 10mg/m3 | | | |
| ~ | | | |
| * Zinc Compound | Proprietary | N/A N/A | 2 |
| For nuisance dust: OSHA PEL: 10mg/m3, ACGIH TLV: 10ppm | | | |
| ~ | | | |
| 2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate | 25265-77-40.0168F | | 1 |
| No occupational exposure limits have been established for this chemical | | | |
| ~ | | | |
| 1,2 - Propanediol (Propylene Glycol) | 57-55-6 | 0.22 68F/20C | 1 |
| AIHA WEEL is 50ppm TOTAL; 10mg/m3 Aerosol only | | | |
| There is no OSHA PEL or ACGIH TLV For Propylene Glycol | | | |
| Worker Environmental Exposure Limit | | | |
| ~ | | | |

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

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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 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:**

May cause abdominal pain, nausea and vomiting.

**Inhalation:**

May cause irritation to respiratory tract.

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

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:

None for this material.

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

**Flammable Properties**

**Flash Point:** 201F/93.9C

**Lower Flammable Limits:** 0.62

**Upper Flammable Limit: 12.5**

**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 ~~~~

Small Spill:

Contain spills immediately with inert materials (eg. sand, earth). If material is spilled in a confined area ventilate the area well. Keep spectators away. Floor may be slippery; use care to avoid falling. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Caution: keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Large Spill:

Wear skin, eye & respiratory protection during clean-up. Evacuate area of all non-essential personnel. Ventilate spill area. Dike, and contain and/or absorb with inert material (sand, earth or other suitable material) to prevent entry into storm drains, sewers and other unauthorized treatment/drainage systems and natural waterways. Scoop up and place in approved containers for proper disposal. Cover with lid. If spill occurs near air inlets or inside, turn off heating or air-conditioning equipment to prevent contaminating building.

~~~~ 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:**

Containers, even those that have been emptied, will retain product residue & vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not get in eyes, on skin or on clothing. Avoid prolonged or repeated breathing of vapor or spray mist. Use only in a well ventilated area. Keep out of the reach of children.

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

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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:

Follow OSHA regulation 29 CFR 1910.134 for respirator use where over spray is present, or if concentration of product is not known or are above the exposure guidelines. When comfort levels may be exceeded, use an approved air-purifying respirator equipped with an ammonia/methylamine cartridge(s).

Skin Protection:

The use of nitrile rubber gloves is advised to prevent skin contact and possible irritation.

Eye Protection:

Chemical goggles. If splashing may occur or during spray operations wear a face shield, unless a full-face piece respirator is used. Do not wear contact lenses as they may contribute to the severity of injury to the eye from contact with liquid and spray mist.

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

Boiling Range: 212F/100C - 471F/243C

Melting Point: N/A

Specific Gravity(H2O=1): 1.207

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.: 0.72 lb/gl                      Coating V.O.C.: 86 g/l

Material V.O.C.: 0.28 lb/gl                      Material V.O.C.: 34 g/l

Solubility in Water: Soluble

Appearance: WHITE LIQUID.

Odor: FAINT AMMONIACAL ODOR.

pH: 8.0

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

Stability:

Stable

Conditions To Avoid:

Extremely hot or cold temperatures

Incompatible Materials:

Strong oxidizing agents

Hazardous Decomposition Products

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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 ~~~~

\*Data is for individual components of preparation.

**Materials having a known chronic/acute effects on eyes:**

Propylene glycol CAS#57-55-6 Draize test, rabbit, eye: 100 mg  
Mild; Draize test, rabbit, eye: 500 mg/24H Mild

**Materials having a known dermal toxicity.**

Propylene glycol CAS#57-55-6 Skin, rabbit: LD50 = 20800mg/kg.  
Titanium Dioxide CAS#13463-67-7 Dermal LD50 (rabbit) >10 g/kg

**Materials having a known oral toxicity.**

Propylene glycol CAS#57-55-6 Oral, mouse: LD50 = 22 gm/kg;  
Oral, rabbit: LD50 = 18500 mg/kg; Oral, rat: LD50 = 20 gm/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:**

NO DATA

**Identified Teratogens:**

NO DATA

**Identified Reproductive toxins :**

NO DATA.

**Identified Mutagens:**

NO DATA.

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

Ecotoxicological effects on plants and animals:

Titanium Dioxide CAS#13463-67-7 96 Hr LC50 (Fathead minnows) >1,000 mg/l

Chemical Fate :

Expected to be biodegradable.

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

**Instructions:**

Dispose of unused product or contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Empty containers will retain

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product residue and vapors and are subject to proper waste disposal, as above. Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment storage and disposal for hazardous and/or nonhazardous wastes. Generally your local waste transfer station can advise you.

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

Shipping Information:

DOT INFORMATION - 49 CFR 172.101
DOT DESCRIPTION: NOT REGULATED

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

**(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:**

Zinc Compound, CAS#proprietary Reportable quantity: \*\*

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:**

Zinc Compound CAS# Proprietary

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.

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**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 carcinogenic hazard if it has a component in concentrations of 0.1 percent greater. For a list of hazardous ingredients:

**See Section II**

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.

**Canadian Environmental Protection Act (CEPA):**

All of the components of this product are exempt or listed on the DSL. 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

**Massachusetts:**

CALCIUM CARBONATE, CAS#1317-65-3      SUBSTANCE CODES:4

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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          |

LISTED IN THE MINNESOTA HAZARDOUS SUBSTANCES LIST:

|                  |             |             |  |    |
|------------------|-------------|-------------|--|----|
| PROPYLENE GLYCOL | CAS#57-55-6 |             |  |    |
| CODES:I          | HAZARDS:--  | CARNINOGEN? |  | NO |

Titanium Dioxide CAS#13463-67-7

Listed In The Minnesota Hazardous Substances List:

|             |    |
|-------------|----|
| Codes:      | A  |
| Hazards:    | -- |
| Carcinogen? | NO |

**New Jersey:**

New Jersey Right To Know Hazardous Substances  
Zinc Compound, CAS# Proprietary, Substance# 3012

**New York:**

NONE KNOWN

**Pennsylvania:**

|                   |                |         |
|-------------------|----------------|---------|
| CALCIUM CARBONATE | CAS#1317-65-3  | CODE:E  |
| PROPYLENE GLYCOL  | CAS#57-55-6    | CODE:-- |
| 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)

|                             |                |                |
|-----------------------------|----------------|----------------|
| Washington Air Contaminant: | CAS#13463-67-7 |                |
| TWA                         | ppm            | mg/Cubic Meter |
| STEL                        | UNK            | 10             |
| CEILING                     | UNK            | UNK            |
| SKIN:UNK                    | UNK            | UNK            |

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

HMIS® III

| | |
|------------------------|------------|
| Health | : 2 |
| Flammability | : 0 |
| Physical Hazard | : 0 |

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*Following Health rating Indicates Chronic/Carcinogenic Effects

HMIS® III Personal Protection : I

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.