

PRODUCT NAME: KYMAX Basecoat

PRODUCT CODE: KYM-BC

## ~~~~ 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 %
Calcium Carbonate	1317-65-3	N/A N/A	26

Calcium Carbonate (CAS# 1317-65-3)

OSHA PEL TWA: 15mg/m3 (total dust), 5mg/m3 (respirable dust)

ACGIH TLV TWA: 10mg/m3 (total dust for &lt;1% silica)

Calcium Carbonate Contains &lt;0.3% Silica, quartz

Silica, quartz (CAS# 14808-60-7)

OSHA PEL TWA: 30mg/m3 / % silica+2 (total dust),

10mg/m3 / % silica+2 (respirable dust).

ACGIH TLV TWA: 0.05mg/m3 (respirable dust).

~	STYRENE ACRYLIC COPOLYMER	MIXTURE	23	21C/70F	25
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INDIVIDUAL RESIDUAL MONOMERS &lt;.1%, MIXTURE, NO EXPOSURE LIMITS ESTABLISHED.

AQUA AMMONIA .1% MAX, CAS#1336-21-6, ACGIH TWA 25PPM, STEL 35 PPM,

OSHA TWA NONE, OSHA STEL 35 PPM. STYRENE/ACRYLIC COPOLYMER, MIXTURE,

NO EXPOSURE LIMITS ESTABLISHED.

Water	7732-18-5	UNK	UNK	23
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No OEL's Established

~	Inorganic pigment	Mixture	N/A	N/A	11
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Contains:

Zinc Sulfide CAS#1314-98-3 OSHA PEL &amp; ACGIH TLV: 15mg/m3 (total dust)

Barium sulfate CAS# 7727-43-7 OSHA PEL: 15mg/m3, ACGIH: 10mg/m3

~	Calcium carbonate	1317-65-3	N/A	N/A	10
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Calcium Carbonate (CAS# 1317-65-3)

OSHA PEL TWA: 15mg/m3 (total dust), 5mg/m3 (respirable dust)

ACGIH TLV TWA: 10mg/m3 (total dust for &lt;1% silica)

Calcium Carbonate Contains &lt;0.3% Silica, quartz

Silica, quartz (CAS# 14808-60-7)

OSHA PEL TWA: 30mg/m3 / % silica+2 (total dust),

10mg/m3 / % silica+2 (respirable dust).

ACGIH TLV TWA: 0.05mg/m3 (respirable dust).

~	Diethylene glycol dibenzoate	120-55-8 (mixture)	2.3x10 <sup>-7</sup>	20C	2
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In a 50/50 mixture with Dipropylene glycol dibenzoate CAS# 27138-31-4

Also contains trace amounts of the following:

Diethylene glycol monobenzoate CAS# 20587-61-5

Dipropylene glycol monobenzoate CAS# 32686-95-6

No OEL's established for any of these chemicals.

~	Titanium Dioxide	13463-67-7	N/A	N/A	1
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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, ACGIH TLV TWA: 10mg/m3,  
OSHA PEL TWA: 20mppcf or 80mg/m3/(%SiO2)

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\* 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:

Direct contact may result in irritation

Skin:

Irritating to the skin

Ingestion:

Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.

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:

If person is conscious give two glasses of water (16 oz) but do not induce vomiting. If vomiting occurs, give fluids again. Never give anything by mouth to an unconscious or convulsing 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: 200C/393F

Lower Flammable Limits: N/A

Upper Flammable Limit: N/A  
Auto Ignition Temperature: Not available  
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.

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

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Small Spill:  
Wear skin, eye & respiratory protection during clean-up.  
Evacuate area of all non-essential personnel. Dike, and contain  
and/or absorb with inert material (sand, earth or other suitable non-  
combustible 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.

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.

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

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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: N/A

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~~~~ 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.  
Provide sufficient mechanical (general and/or local exhaust)  
ventilation to maintain exposure below TLV(s).

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:**

Isolate the area immediately; prevent unauthorized entry.

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

Boiling Range: 100C/212F - 234C/453F

Melting Point: N/A

Specific Gravity(H<sub>2</sub>O=1): 1.5067

Vapor Density(Air=1): Heavier than air

Vapor Pressure: Not determined.

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

Coating V.O.C.: 0.0 lb/gl                      Coating V.O.C.: 0 g/l

Material V.O.C.: 0.0 lb/gl                      Material V.O.C.: 0 g/l

Solubility in Water: Soluble

Appearance: Moderately viscous pigmented liquid, various colors.

Odor: Ester

pH: 8.0

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

**Stability:**

Stable

**Conditions To Avoid:**

Extremely hot or cold temperatures

**Incompatible Materials:**

Strong oxidizing agents

Mineral Acids

Metal Salts

**Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide and oxides of nitrogen.

Sulfur dioxide and/or Hydrogen sulfide

**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:

NO DATA

Materials having a known dermal toxicity.

Diethylene glycol dibenzoate CAS# 120-55-8

Acute Dermal (LD50) Rat: >2,000mg/kg

Dipropylene glycol dibenzoate CAS# 27138-31-4

Acute dermal (LD50) Rat: >2,000mg/kg

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

Materials having a known oral toxicity.

Diethylene glycol dibenzoate CAS# 120-55-8

Acute Oral (LD50) Rat: 4,190mg/kg  
Dipropylene glycol dibenzoate CAS# 27138-31-4  
Acute oral (LD50) Rat: 5,313mg/kg  
TITANIUM DIOXIDE CAS#13463-67-7 Oral LD50 (rat) >25 g/kg

Materials having a known Inhalation hazard:  
Diethylene glycol dibenzoate CAS# 120-55-8  
Acute Inhalation (LC50) (mist) >200mg/L  
Dipropylene glycol dibenzoate CAS# 27138-31-4  
Acute Inhalation (LC50) (mist) >200mg/L  
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:  
None known.

Identified Teratogens:  
NO DATA

Identified Reproductive toxins :  
NO DATA.

Identified Mutagens:  
NO DATA.

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

Ecotoxicological effects on plants and animals:  
Dipropylene glycol dibenzoate CAS# 27138-31-4  
No observable effect level: 1,000ppm, earthworm

Dipropylene glycol dibenzoate CAS# 27138-31-4  
Expected to be biodegradable  
Titanium Dioxide CAS#13463-67-7 96 Hr LC50 (Fathead minnows)>1,000  
mg/l

Chemical Fate :  
Diethylene glycol dibenzoate CAS# 120-55-8  
Expected to be biodegradable

Dipropylene glycol dibenzoate CAS# 27138-31-4  
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. 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: 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:

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.

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. Contains Titanium Dioxide CAS#13463-67-7 **WHMIS D2A**

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:

Barium Sulfate CAS# 7727-43-7

Code: 4

CALCIUM CARBONATE, CAS#1317-65-3

SUBSTANCE CODES:4

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

Michigan:

NONE KNOWN

Minnesota:

Barium Sulfate CAS# 7727-43-7

CODES: A

HAZARDS: --

CARCINOGEN? NO

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: --



*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.*