1. PRODUCT AND COMPANY IDENTIFICATION

Product Name
PRE-CATALYZED WATERBORNE EPOXY SEMI-GLOSS DEEP BASE

Product Code
V341-87FR

Alternate Product Code
A34187

Product Class
WATERBORNE EPOXY

Color
All

Recommended use
Industrial paint

Restrictions on use
No information available

Manufactured For
Benjamin Moore & Co., Limited
8775 Keele Street
Concord ON L4K 2N1
Phone: 1-800-361-5898
corotechcoatings.ca

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 800-225-5554
corotechcoatings.com

Emergency Telephone Number(s)
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification
This chemical is not considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

Label elements
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Appearance liquid
Odor little or no odor
3. COMPOSITION INFORMATION ON COMPONENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>Kaolin</td>
<td>1332-58-7</td>
<td>3 - 7%</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol</td>
<td>25265-77-4</td>
<td>1 - 5%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General Advice
No hazards which require special first aid measures.

Eye Contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation
Move to fresh air. If symptoms persist, call a physician.

Ingestion
Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects
None known.

Notes To Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective Equipment And Precautions For Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical
Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity To Mechanical Impact
No

Sensitivity To Static Discharge
No

Flash Point Data
- Flash Point (°F) Not applicable
- Flash Point (°C) Not applicable
- Flash Point Method Not applicable

Flammability Limits In Air
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information
Prevent further leakage or spillage if safe to do so.

Environmental Precautions
See Section 12 for additional Ecological Information.

Methods For Clean-Up
Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage
Keep container tightly closed. Keep out of the reach of children.

Incompatible Materials
No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits
No exposure limits have been established for this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
</tr>
<tr>
<td>Kaolin</td>
<td>2 mg/m³ - TWA</td>
<td>2 mg/m³ - TWA</td>
<td>2 mg/m³ - TWA</td>
<td>2 mg/m³ - TWA</td>
<td>5 mg/m³ - TWAAEV</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>10 mg/m³ - TWA</td>
<td>50 ppm - TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>155 mg/m³ - TWA</td>
</tr>
</tbody>
</table>

Legend
ACGIH - American Conference of Governmental Industrial Hygienists
Alberta - Alberta Occupational Exposure Limits
British Columbia - British Columbia Occupational Exposure Limits
Ontario - Ontario Occupational Exposure Limits
Quebec - Quebec Occupational Exposure Limits
N/E - Not established
Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

- **Eye/Face Protection**: Safety glasses with side-shields.
- **Skin Protection**: Protective gloves and impervious clothing.
- **Respiratory Protection**: In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>liquid</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>little or no odor</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Density (lbs/gal)</strong></td>
<td>9.4 - 9.7</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.12 - 1.16</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Viscosity (cps)</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Wt. % Solids</strong></td>
<td>45 - 55</td>
</tr>
<tr>
<td><strong>Vol. % Solids</strong></td>
<td>35 - 45</td>
</tr>
<tr>
<td><strong>Wt. % Volatiles</strong></td>
<td>45 - 55</td>
</tr>
<tr>
<td><strong>Vol. % Volatiles</strong></td>
<td>55 - 65</td>
</tr>
<tr>
<td><strong>VOC Regulatory Limit (g/L)</strong></td>
<td>&lt; 100</td>
</tr>
<tr>
<td><strong>Boiling Point (°F)</strong></td>
<td>212</td>
</tr>
<tr>
<td><strong>Boiling Point (°C)</strong></td>
<td>100</td>
</tr>
<tr>
<td><strong>Freezing Point (°F)</strong></td>
<td>32</td>
</tr>
<tr>
<td><strong>Freezing Point (°C)</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Flash Point (°F)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Flash Point (°C)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Flash Point Method</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Upper Explosion Limit</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Lower Explosion Limit</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Autoignition Temperature (°F)</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Autoignition Temperature (°C)</strong></td>
<td>No information available</td>
</tr>
<tr>
<td>** Decomposition Temperature (°F)**</td>
<td>No information available</td>
</tr>
<tr>
<td>** Decomposition Temperature (°C)**</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Partition Coefficient (n-octanol/water)</strong></td>
<td>No information available</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

- **Reactivity**: Not Applicable
- **Chemical Stability**: Stable under normal conditions.
- **Conditions To Avoid**: Prevent from freezing.
- **Incompatible Materials**: No materials to be especially mentioned.
Hazardous Decomposition Products
None under normal use.

Possibility Of Hazardous Reactions
None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure
Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information
No information available

Information on toxicological effects

Symptoms
No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact
May cause slight irritation

Skin contact
Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.

Inhalation
May cause irritation of respiratory tract.

Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sensitization:
No information available.

Neurological Effects
No information available.

Mutagenic Effects
No information available.

Reproductive Effects
No information available.

Developmental Effects
No information available.

Target Organ Effects
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Other adverse effects
No information available.

Aspiration Hazard
No information available.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 83461 mg/kg
ATEmix (dermal) 736444 mg/kg

Component

Titanium dioxide
LD50 Oral: > 10000 mg/kg (Rat)

Kaolin
LD50 Oral: > 5000 mg/kg (Rat)

Propylene glycol
LD50 Oral: 20000 mg/kg (Rat)
LD50 Dermal: 20800 mg/kg (Rabbit)

Chronic Toxicity
Carcinogenicity
The information below indicates whether each agency has listed any ingredient as a carcinogen:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
</tr>
</tbody>
</table>

Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish
No information available

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

Persistence / Degradability
No information available.

Bioaccumulation / Accumulation
No information available.

Mobility in Environmental Media
No information available.

Ozone
No information available

Component

Acute Toxicity to Fish
Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Propylene glycol
LC50: 710 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Propylene glycol
EC50: > 10000 mg/L (Daphnia magna - 24 hr.)
Acute Toxicity to Aquatic Plants
No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

TDG  Not regulated
ICAO / IATA  Not regulated
IMDG / IMO  Not regulated

15. REGULATORY INFORMATION

International Inventories
TSCA: United States  Yes - All components are listed or exempt.
DSL: Canada  No - Not all of the components are listed.
One or more component is listed on NDSL.

National Pollutant Release Inventory (NPRI)

NPRI Parts 1-4
This product contains the following Parts 1-4 NPRI chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
<th>NPRI Parts 1-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
<tr>
<td>Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol</td>
<td>25265-77-4</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
</tbody>
</table>

NPRI Part 5
This product contains the following NPRI Part 5 Chemicals:
None

WHMIS Regulatory Status
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. OTHER INFORMATION
Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS Ò ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS Ò ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS Ò ratings are to be used only in conjunction with a fully implemented HMIS Ò program by workers who have received appropriate HMIS Ò training. HMIS Ò is a registered trade and service mark of the NPCA. HMIS Ò materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

Prepared By
Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
855-724-6802

Revision Date: 31-May-2016
Reason For Revision Not available

Disclaimer
The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

END OF SAFETY DATA SHEET