1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: BENJAMIN MOORE COROTECH POLYAMIDE EPOXY PRIMER RED
Product Code: CV150-20
Alternate Product Code: CV5020
Product Class: EPOXY
Color: Red
Recommended use: Industrial paint
Restrictions on use: No information available

Manufacturer: Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
corotechcoatings.com

Emergency Telephone:
CHEMTREC (US): 800-424-9300
CHEMTREC (outside US): (703)-527-3887

2. HAZARDS IDENTIFICATION

Classification
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1A</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

Label elements

Danger

Hazard statements
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause cancer
Flammable liquid and vapor
Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Skin
If skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse

Fire
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other information
No information available

Other hazards
IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.

### 3. COMPOSITION INFORMATION ON COMPONENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl acetate</td>
<td>79-20-9</td>
<td>20</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1309-37-1</td>
<td>10</td>
</tr>
<tr>
<td>4-Chlorobenzotrifluoride</td>
<td>98-56-6</td>
<td>5</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>71-36-3</td>
<td>5</td>
</tr>
<tr>
<td>Zinc phosphate</td>
<td>7779-90-0</td>
<td>5</td>
</tr>
<tr>
<td>Triethylentetramine</td>
<td>112-24-3</td>
<td>1</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>1</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>14808-60-7</td>
<td>0.5</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>0.5</td>
</tr>
<tr>
<td>1-Piperazinoethanamine</td>
<td>140-31-8</td>
<td>0.5</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General Advice**

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash clothing before reuse. Destroy contaminated articles such as shoes.

**Inhalation**

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

If not breathing, give artificial respiration. Call a physician immediately.

**Ingestion**

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.

**Protection Of First-Aiders**

Use personal protective equipment.

**Most Important Symptoms/Effects**

May cause allergic skin reaction.

**Notes To Physician**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flammable Properties**

Vapors may travel considerable distance to a source of
ignition and flash back. Vapors may cause flash fire.

**Suitable Extinguishing Media**

Foam, dry powder or water. 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.

**Hazardous combustion products**

Burning may result in carbon dioxide, carbon monoxide and other combustion products of varying composition which may be toxic and/or irritating.

**Specific Hazards Arising From The Chemical**

Flammable. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Closed containers may rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

**Sensitivity To Mechanical Impact**

No

**Sensitivity To Static Discharge**

Yes

**Flash Point Data**

<table>
<thead>
<tr>
<th>Method</th>
<th>Flash Point (°F)</th>
<th>Flash Point (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMCC</td>
<td>80.0</td>
<td>26.7</td>
</tr>
</tbody>
</table>

**Flammability Limits In Air**

- Lower flammability limit: Not available
- Upper flammability limit: Not available

**NFPA**

- Health: 2
- Flammability: 3
- Instability: 0
- Special: Not Applicable

**NFPA Legend**

0 - Not Hazardous  
1 - Slightly  
2 - Moderate  
3 - High  
4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Remove all sources of ignition. Take precautions to prevent flashback. Ground and bond all containers and handling equipment. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.
Other Information Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions See Section 12 for additional Ecological Information.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material. Use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Handling**
Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use.

Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur.

**Storage**

**Incompatible Materials**
Incompatible with strong acids and bases and strong oxidizing agents.

**Technical measures/Precautions**
Ensure adequate ventilation. Use only where airflow will keep vapors from building up in or near the work area in adjoining rooms. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing and disposal of flammable liquids.

Dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. All equipment should be non-sparking and explosion proof. Use explosion proof electrical equipment for ventilation, lighting and material handling.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl acetate</td>
<td>200 ppm - TWA</td>
<td>200 ppm - TWA</td>
</tr>
<tr>
<td></td>
<td>250 ppm - STEL</td>
<td>610 mg/m³ - TWA</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>5 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³ - TWA Rouge</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³ - TWA Rouge</td>
</tr>
<tr>
<td>4-Chlorobenzotrifluoride</td>
<td>2.5 mg/m³ - TWA</td>
<td>2.5 mg/m³ - TWA</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>20 ppm - TWA</td>
<td>100 ppm - TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>300 mg/m³ - TWA</td>
</tr>
</tbody>
</table>
Zinc oxide | 2 mg/m³ - TWA | 5 mg/m³ - TWA
Silica, crystalline | 0.025 mg/m³ - TWA | -
Ethyl benzene | 20 ppm - TWA | 100 ppm - TWA

Legend
ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits
OSHA - Occupational Safety & Health Administration Exposure Limits
N/E - Not Established

Appropriate engineering controls

Engineering Measures
Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection
Safety glasses with side-shields. If splashes are likely to occur, wear: tightly fitting safety goggles.

Skin Protection
Long sleeved clothing. Protective gloves.

Respiratory Protection
Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

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

Appearance | liquid
Odor | solvent
Odor Threshold | No information available
Density (lbs/gal) | 13.2 - 13.3
Specific Gravity | 1.58 - 1.60
pH | No information available
Viscosity (cps) | No information available
Solubility(ies) | No information available
Water solubility | No information available
Evaporation Rate | No information available
Vapor pressure @20 °C (kPa) | No information available
Vapor density | No information available
Wt. % Solids | 70 - 80
Vol. % Solids | 55 - 65
Wt. % Volatiles | 20 - 30
Vol. % Volatiles | 35 - 45
VOC Regulatory Limit (g/L) | < 250
Boiling Point (°F) | 95.0
Boiling Point (°C) | 35.0
Freezing Point (°F) | No information available
Freezing Point (°C) | No information available
Flash Point (°F) | 80.0
Flash Point (°C) | 26.7
Method
Flammability (solid, gas)
Upper flammability limit:
Lower flammability limit:
Autoignition Temperature (°F)
Autoignition Temperature (°C)
Decomposition Temperature (°F)
Decomposition Temperature (°C)
Partition coefficient

PMCC
Not applicable
No information available
No information available
No information available
No information available
No information available
No information available

10. STABILITY AND REACTIVITY

Reactivity
Chemical Stability
Conditions to avoid
Incompatible Materials
Hazardous Decomposition Products
Possibility of hazardous reactions

No data available
Stable under normal conditions. Hazardous polymerisation does not occur.
Keep away from open flames, hot surfaces, static electricity and sources of ignition. Sparks. Elevated temperature.
Incompatible with strong acids and bases and strong oxidizing agents.
Thermal decomposition can lead to release of irritating gases and vapors.
None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure
Principal Routes of Exposure
Acute Toxicity

Eye contact, skin contact and inhalation.
Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
No information available

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

Eye contact
Skin contact
Ingestion

Causes serious eye irritation. May cause redness, itching, and pain.
May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.
Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Small
amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**Inhalation**
Harmful by inhalation. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

**Sensitization**
May cause an allergic skin reaction.

**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 - repeated exposure**
Causes damage to organs through prolonged or repeated exposure if inhaled.

**STOT - single exposure**
No information available.

**Other adverse effects**
No information available.

**Aspiration Hazard**
May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**Numerical measures of toxicity**

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

- **ATEmix (oral)**: 11257 mg/kg
- **ATEmix (dermal)**: 16081 mg/kg
- **ATEmix (inhalation-vapor)**: 1175 mg/L

**Acute Toxicity**

**Component Information**

- **Iron oxide**
  LD50 Oral: > 5000 mg/kg (Rat) vendor data

- **4-Chlorobenzotrifluoride**
  LD50 Oral: (Rat) mg/kg
  LD50 Dermal: mg/kg (Rabbit)
  LC50 Inhalation (Vapor): mg/L (Rat, 4 hr.)

- **n-Butyl alcohol**
  LD50 Oral: 790 - 800 mg/kg (Rat)
  LD50 Dermal: 3400 mg/kg
  LC50 Inhalation (Vapor): 24000 mg/m³ (Rat, 4 hr.)

- **Triethylenetetramine**
  LD50 Oral: 2500 mg/kg (Rat)
  LD50 Dermal: 805 mg/kg (Rabbit)

- **Zinc oxide**
  LD50 Oral: 5000 mg/kg (Rat)
  LC50 Inhalation (Dust): > 5700 mg/m³ (Rat, 4 hr.)

- **Silica, crystalline**
  LD50 Oral: 500 mg/kg (Rat)
  LD50 Dermal: > mg/kg (Rabbit)
  LC50 Inhalation (Vapor): mg/m³ (Rat, 2 hr.)
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>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, crystalline</td>
<td>1 - Human</td>
<td>Known Human</td>
<td>Listed</td>
</tr>
<tr>
<td></td>
<td>Carcinogen</td>
<td>Carcinogen</td>
<td></td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>2B - Possible Human</td>
<td>Carcinogen</td>
<td>Listed</td>
</tr>
</tbody>
</table>

* Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried 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**
No information available.

**Mobility in Environmental Media**
No information available.

**Ozone**
Not applicable

Component Information

**Acute Toxicity to Fish**
Ethyl benzene
LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

**Acute Toxicity to Aquatic Invertebrates**
Ethyl benzene
EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

**Acute Toxicity to Aquatic Plants**

Ethyl benzene
EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

### 13. DISPOSAL CONSIDERATIONS

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

**Empty Container Warning**
Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

### 14. TRANSPORT INFORMATION

**DOT**
- **Proper Shipping Name**: PAINT
- **Hazard class**: 3
- **UN-No.**: UN1263
- **Packing Group**: III
- **Description**: UN1263, PAINT, 3, III

**ICAO / IATA**
Contact the preparer for further information.

**IMDG / IMO**
Contact the preparer for further information.

### 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.

**Federal Regulations**

**SARA 311/312 hazardous categorization**
- Acute health hazard: Yes
- Chronic Health Hazard: Yes
- Fire hazard: Yes
- Sudden release of pressure hazard: No
- Reactive Hazard: No

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>CERCLA/SARA 313 (de minimis concentration)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl alcohol</td>
<td>71-36-3</td>
<td>5</td>
<td>1.0</td>
</tr>
<tr>
<td>Zinc phosphate</td>
<td>7779-90-0</td>
<td>5</td>
<td>1.0</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>0.5</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Hazardous Air Pollutant (HAP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>0.5</td>
<td>Listed</td>
</tr>
</tbody>
</table>

US State Regulations
California Proposition 65

⚠️ WARNING: Cancer and Reproductive Harm – www.P65warnings.ca.gov

State Right-to-Know

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl acetate</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>4-Chlorobenzotrifluoride</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Zinc phosphate</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend
X - Listed

16. OTHER INFORMATION

HMIS - Health: 2* Flammability: 3 Reactivity: 0 PPE: -

HMIS Legend
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard
X - Consult your supervisor or S.O.P. for "Special" handling instructions.

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® 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® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® 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 contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

**Prepared By**
Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
800-225-5554

**Revision Date:** 26-Jun-2018
**Revision Summary** 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**