1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PREP ALL UNIVERSAL METAL PRIMER RED
Product Code: V132-20FR
Alternate Product Code: A13220
Product Class: SURFACE PREPARATION PRODUCT
Color: Red
Recommended use: Primers
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 considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/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>Specific target organ toxicity (repeated exposure)</td>
<td>Category 1</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 2</td>
</tr>
<tr>
<td>Physical hazard not otherwise classified</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Label elements:
Danger

Hazard statements
Causes skin irritation
May cause an allergic skin reaction
May cause cancer
Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor
Risk of spontaneous combustion

Appearance liquid Odor solvent

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
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Do not breathe dust/fume/mist/vapors/spray
Do not eat, drink or smoke when using this product
Keep away from heat/sparks/open flames/hot surfaces, 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
Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

Precautionary Statements - Response
If exposed or concerned get medical attention
Skin
If skin irritation or rash occurs get medical attention
If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water
Wash contaminated clothing before reuse
Ingestion
If swallowed immediately call a POISON CENTER or physician
Do NOT induce vomiting
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
Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

**Other information**
No information available

### 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>Silica, crystalline</td>
<td>14808-60-7</td>
<td>10 - 30%</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>10 - 30%</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>Petroleum ether</td>
<td>8032-32-4</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1309-37-1</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated</td>
<td>64742-47-8</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Solvent naphtha, petroleum, light</td>
<td>64742-95-6</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Methyl ethyl ketoxime</td>
<td>96-29-7</td>
<td>0.1 - 0.25%</td>
</tr>
</tbody>
</table>

### 4. 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. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**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

| Flash Point (°F) | 50 |
| Flash Point (°C) | 10 |
| Flash Point Method | PMCC |

Flammability Limits In Air

| Lower Explosion Limit | Not available |
| Upper Explosion 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 Clean-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


DANGER - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

Incompatible Materials

Incompatible with strong acids and bases and strong oxidizing agents.

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>Silica, crystalline</td>
<td>0.025 mg/m³ - TWA</td>
<td>0.025 mg/m³ - TWA</td>
<td>0.025 mg/m³ - TWA</td>
<td>0.01 mg/m³ - TWA</td>
<td>0.1 mg/m³ - TWA EV</td>
</tr>
<tr>
<td>Talc</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>3 mg/m³ - TWA EV</td>
</tr>
<tr>
<td>Xylene</td>
<td>100 ppm - TWA 150 ppm - STEL</td>
<td>100 ppm - TWA 434 mg/m³ - TWA 150 ppm - STEL</td>
<td>651 mg/m³ - STEL</td>
<td>100 ppm - TWA 150 ppm - STEL</td>
<td>100 ppm - TWA 434 mg/m³ - TWA EV 150 ppm - STEV 651 mg/m³ - STEV</td>
</tr>
<tr>
<td>Petroleum ether</td>
<td>N/E</td>
<td>300 ppm - TWA 1400 mg/m³ - TWA</td>
<td>-</td>
<td>N/E</td>
<td>300 ppm - TWA EV 1370 mg/m³ - TWA EV</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>5 mg/m³ - TWA  5 mg/m³ - TWA</td>
<td>10 mg/m³ - TWA 3 mg/m³ - TWA 5 mg/m³ - TWA 10 mg/m³ - STEL</td>
<td>5 mg/m³ - TWA</td>
<td>5 mg/m³ - TWA EV 10 mg/m³ - TWA EV</td>
<td></td>
</tr>
</tbody>
</table>
### 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**  
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)**: 11.45 - 11.55
- **Specific Gravity**: 1.37 - 1.39
- **pH**: No information available
- **Viscosity (cps)**: No information available
- **Solubility**: No information available
- **Water Solubility**: No information available
- **Evaporation Rate**: No information available
- **Vapor Pressure**: No information available
- **Vapor Density**: No information available
- **Wt. % Solids**: 65 - 75
- **Vol. % Solids**: 45 - 55
- **Wt. % Volatiles**: 25 - 35
- **Vol. % Volatiles**: 45 - 55
- **VOC Regulatory Limit (g/L)**: < 400
- **Boiling Point (°F)**: 240
- **Boiling Point (°C)**: 116
- **Freezing Point (°F)**: No information available
- **Freezing Point (°C)**: No information available
- **Flash Point (°F)**: 50
- **Flash Point (°C)**: 10
- **Flash Point Method**: PMCC
10. STABILITY AND REACTIVITY

Reactivity
Not Applicable

Chemical Stability
Stable under normal conditions. Hazardous polymerisation does not occur.

Conditions To Avoid
Keep away from open flames, hot surfaces, static electricity and sources of ignition. Sparks. Elevated temperature.

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

Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating gases and vapors.

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
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.

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
Contact with eyes may cause irritation.

Skin contact
May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.

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.

Ingestion
Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Small amounts of this product
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
May cause disorder and damage to the respiratory system.

STOT - single exposure
Causes damage to organs through prolonged or repeated exposure if inhaled. Contains: Crystalline Silica which has been determined to be carcinogenic to humans by IARC 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. Causes damage to organs through prolonged or repeated exposure.

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

<table>
<thead>
<tr>
<th>Component</th>
<th>ATEmix (oral)</th>
<th>ATEmix (dermal)</th>
<th>ATEmix (inhalation-dust/mist)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, crystalline</td>
<td>500 mg/kg (Rat)</td>
<td>4300 mg/kg (Rat)</td>
<td>&gt; 5000 mg/kg (Rat) vendor data</td>
</tr>
<tr>
<td>LD50 Oral: 500 mg/kg (Rat)</td>
<td>LD50 Dermal: &gt; 1700 mg/kg (Rabbit)</td>
<td>LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hr.)</td>
<td>Petroleum ether</td>
</tr>
<tr>
<td>Xylene</td>
<td>LD50 Oral: 4300 mg/kg (Rat)</td>
<td>LD50 Dermal: &gt; 3000 mg/kg (Rabbit)</td>
<td>LC50 Inhalation (Vapor): 3400 ppm (Rat, 4 hr.)</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>LD50 Oral: mg/kg (Rat)</td>
<td>LD50 Dermal: &gt; mg/kg (Rabbit)</td>
<td>LC50 Inhalation (Vapor): mg/m³ (Rat, 2 hr.)</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>LD50 Oral: &gt; 5000 mg/kg (Rat)</td>
<td>LD50 Dermal: &gt; 3160 mg/kg (Rabbit)</td>
<td>LC50 Inhalation (Vapor): &gt; 6.1 mg/L (Rat)</td>
</tr>
<tr>
<td>Solvent naphtha, petroleum, light aromatic</td>
<td>LD50 Oral: 8400 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Methyl ethyl ketoxime
LD50 Oral: 930 mg/kg (Rat)
LD50 Dermal: 200 µL/kg (Rabbit)
LC50 Inhalation (Vapor): > 4.8 mg/L (Rat)

**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>Silica, crystalline</td>
<td>1 - Human Carcinogen</td>
<td>Known Human Carcinogen</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>2B - Possible Human Carcinogen</td>
<td></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 / Accumulation**

No information available.

**Mobility in Environmental Media**

No information available.

**Ozone**

No information available

**Component**

**Acute Toxicity to Fish**

Xylene
LC50: 13.5 mg/L (Rainbow Trout - 96 hr.)
**Ethyl benzene**
LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)
**Methyl ethyl ketoxime**
LC50: 48 mg/L (Bluegill sunfish - 96 hr.)

**Acute Toxicity to Aquatic Invertebrates**

**Ethyl benzene**
EC50: 1.8 mg/L (Daphnia magna - 48 hr.)
**Methyl ethyl ketoxime**
EC50: 750 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, provincial, 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

**TDG**
- **Proper Shipping Name**: Paint
- **Hazard Class**: 3
- **UN-No**: UN1263
- **Packing Group**: II
- **Description**: UN1263, Paint, 3, II

**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**: Yes - All components are listed or exempt.

**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>Xylene</td>
<td>1330-20-7</td>
<td>5 - 10%</td>
<td>Listed</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
</tbody>
</table>

NPRI Part 5
This product contains the following NPRI Part 5 Chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
<th>NPRI Part 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>5 - 10%</td>
<td>Listed</td>
</tr>
<tr>
<td>Petroleum ether</td>
<td>8032-32-4</td>
<td>5 - 10%</td>
<td>Listed</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light</td>
<td>64742-47-8</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
<tr>
<td>Solvent naphtha, petroleum, light aromatic</td>
<td>64742-95-6</td>
<td>1 - 5%</td>
<td>Listed</td>
</tr>
</tbody>
</table>

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

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.

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 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
Reason For Revision: Not available

Disclaimer

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END OF SAFETY DATA SHEET