PRINT GLOSSARY

BEHR
STAINS•VARNISHES•PAINTS

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## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product Name: | **Premium Plus Interior/Exterior Oil-Based Primer & Sealer No. 434** |
| MSDS Manufacturer Number: | 434 |
| Manufacturer Name: | BEHR Process Corporation |
| Address: | 3400 W. Segerstrom Avenue<br>Santa Ana, CA 92704 |
| General Phone Number: | (714) 545-7101 |
| General Fax Number: | (714) 241-1002 |
| Customer Service Phone Number: | (800) 854-0133 ext. 2 |
| CHEMTREC: | For emergencies in the US, call CHEMTREC: 800-424-9300 |
| Canutec: | In Canada, call CANUTEC: (613) 996-6666 (call collect) |
| MSDS Creation Date: | 06/26/2006 |
| MSDS Revision Date: | 03/09/2008 |

**NFPA**


**HMIS**

| | |
|---|---|
| Health Hazard | 1 |
| Fire Hazard | 2 |
| REACTIVITY | 1 |
| Personal Protection | |

* Chronic Health Effects:

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS# | Ingredient Percent |
|---|---|---|
| Silicate, mica | 12001-26-2 | 10 - 30 by weight |
| Titanium dioxide | 13463-67-7 | 5 - 10 by weight |
| Rutile | 1317-80-2 | 5 - 10 by weight |
| Carbonic acid calcium salt | 471-34-1 | 5 - 10 by weight |
| Non hazardous ingredients | No data | 5 - 10 by weight |
| Ethylbenzene | 100-41-4 | 0.1 - 1 by weight |
| Distillates (petroleum), hydrotreated light; Kerosine - unspecified | 64742-47-8 | 10 - 30 by weight |
| Xylene | 1330-20-7 | 0.1 - 1 by weight |
| Amorphous silica | 7631-86-9 | 0.1 - 1 by weight |
| Stoddard solvent | 8052-41-3 | 1 - 5 by weight |
| Long oil Alkyd | Proprietary | 10 - 30 by weight |

## SECTION 3 - HAZARDS IDENTIFICATION

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| Emergency Overview: | Combustible. Irritant. |
| Potential Health Effects: | |
| Eye: | May cause irritation. |
| Skin: | May cause irritation. |

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| Inhalation: | Prolonged or excessive inhalation may cause respiratory tract irritation. |
| Ingestion: | Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation. |
| Chronic Health Effects: | Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash).<br>Repeated or prolonged inhalation may cause toxic effects. |
| Signs/Symptoms: | Overexposure can cause headaches, dizziness, nausea, and vomiting. |
| Target Organs: | Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney. |
| Aggravation of Pre-Existing Conditions: | May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions. |

## SECTION 4 - FIRST AID MEASURES

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| Eye Contact: | Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists. |
| Skin Contact: | Immediately wash skin with soap and plenty of water.<br>Get medical attention if irritation develops or persists. |
| Inhalation: | If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention. |
| Ingestion: | If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. |
| Other First Aid: | Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration. |

## SECTION 5 - FIRE FIGHTING MEASURES

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| Flammable Properties: | Combustible liquid. |
| Flash Point: | 104°F (40°C) |
| Flash Point Method: | TCC |
| Lower Flammable/Explosive Limit: | 1% |
| Upper Flammable/Explosive Limit: | 7% |
| Fire Fighting Instructions: | Combustible. Cool fire-exposed containers using water spray. |
| Extinguishing Media: | Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material. |
| Protective Equipment: | As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. |
| Unusual Fire Hazards: | Combustible liquid. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back. |

**NFPA Ratings:**

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| NFPA Flammability: | 2 |
| NFPA Health: | 1 |
| NFPA Reactivity: | 0 |

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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| Personnel Precautions: | Use proper personal protective equipment as listed in section 8. |
| Environmental Precautions: | Avoid runoff into storm sewers, ditches, and waterways. |
| Spill Cleanup Measures: | Remove all sources of ignition. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Collect spill with a non-sparking tool. Place into a suitable container for disposal. |

## SECTION 7 - HANDLING and STORAGE

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| Handling: | Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures. |

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| Storage: | Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use. |
| Work Practices: | To reduce potential for static discharge, bond and ground containers when transferring material. |
| Special Handling Procedures: | Do not reuse containers without proper cleaning or reconditioning. |
| Hygiene Practices: | Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist. |

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

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| Engineering Controls: | Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment. |
| Eye/Face Protection: | Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. |
| Skin Protection Description: | Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. |
| Respiratory Protection: | A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. |
| Other Protective: | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. |

EXPOSURE GUIDELINES

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|---|---|
| **Silicate, mica :** | |
| Guideline ACGIH: | TLV-TWA: 3 mg/m3 (Respirable) |
| Guideline OSHA: | OSHA-TWA: 20 mg/m3 |
| **Titanium dioxide :** | |
| Guideline ACGIH: | TLV-TWA: 10 mg/m3 |
| Guideline OSHA: | OSHA-TWA: 15 mg/m3 |
| **Carbonic acid calcium salt :** | |
| Guideline ACGIH: | TLV-TWA: 5 mg/m3 (Respirable) |
| Guideline OSHA: | OSHA-TWA: 5 mg/m3 Respirable |
| **Ethylbenzene :** | |
| Guideline ACGIH: | TLV-TWA: 100 ppm<br>TLV-STEL: 125 ppm |
| Guideline OSHA: | OSHA-TWA: 100 ppm |
| **Distillates (petroleum), hydrotreated light; Kerosine - unspecified :** | |
| Guideline ACGIH: | TLV-TWA: 200 mg/m3 (Negligible aerosol exposures) |
| **Xylene :** | |
| Guideline ACGIH: | TLV-TWA: 100 ppm<br>TLV-STEL: 150 ppm |
| Guideline OSHA: | OSHA-TWA: 100 ppm |
| **Stoddard solvent :** | |
| Guideline ACGIH: | TLV-TWA: 100 ppm |
| Guideline OSHA: | OSHA-TWA: 500 ppm |

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

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|---|---|
| Physical State Appearance: | Liquid. |
| Flash Point: | 104°F (40°C) |
| Boiling Point: | No Data |
| Melting Point: | No Data |
| Density: | 10 - 12 Lbs./gal. |

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|---|---|
| Vapor Density: | Greater than 1 (Air = 1). |
| pH: | No Data |
| Molecular Formula: | Mixture |
| Molecular Weight: | Mixture |
| Flash Point: | 104°F (40°C) |
| Flash Point Method: | TCC |
| VOC Content: | Material VOC: 350 gm/l (Includes Water)<br>Coating VOC.: 350 gm/l (Excludes Water) |

## SECTION 10 - STABILITY and REACTIVITY

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|---|---|
| Chemical Stability: | Stable under normal temperatures and pressures. |
| Hazardous Polymerization: | Not reported. |
| Conditions to Avoid: | Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 32 deg. F. |
| Incompatible Materials: | Oxidizing agents. Strong acids and alkalis. |

## SECTION 11 - TOXICOLOGICAL INFORMATION

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|---|---|
| RTECS Number: | VV8760000 |
| **Titanium dioxide :** | |
| RTECS Number: | XR2275000 |
| Skin: | Skin - Rabbit; Standard Draize Test. : 300 ug/3D; (Intermittent) mild. (RTECS) |
| Ingestion: | Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea Gastrointestinal - other changes. (RTECS) |
| RTECS Number: | VM2940000 |
| **Ethylbenzene :** | |
| RTECS Number: | DA0700000 |
| Eye: | Eye - Rabbit; Standard Draize Test. : 500 mg; severe. (RTECS) |
| Skin: | Skin - Rabbit; Open Irritation: 15 mg/24H; mild . (RTECS) |
| Inhalation: | Inhalation. - Rat LC50: 55000 mg/m3/2H; Details of toxic effects not reported other than lethal dose value. . (RTECS) |
| Ingestion: | Ingestion - Rat LD50: 3500 mg/kg; Liver - other changes Kidney, Ureter, Bladder - other changes . (RTECS) |
| RTECS Number: | OA5504000 |
| **Xylene :** | |
| RTECS Number: | ZE2100000 |
| Eye: | Eye - Rabbit; Standard Draize Test. : 87 mg; mild.<br>Eye - Rabbit; Standard Draize Test. : 5 mg/24H; severe. (RTECS) |
| Skin: | Skin - Rabbit; Standard Draize Test. : 100%; Moderate.<br>Skin - Rabbit; Standard Draize Test. : 500 mg/24H; Moderate. (RTECS) |
| Inhalation: | Inhalation. - Rat LC50: 5000 ppm/4H; Details of toxic effects not reported other than lethal dose value. (RTECS) |
| Ingestion: | Ingestion - Rat LD50: 4300 mg/kg; Liver - other changes Kidney, Ureter, Bladder - other changes<br>Ingestion - Mouse LD50: 2119 mg/kg; Details of toxic effects not reported other than lethal dose value. (RTECS) |
| **Amorphous silica :** | |
| RTECS Number: | EU8655000 |
| Eye: | Eye - Rabbit; Standard Draize Test. : 25 mg/24H; mild. (RTECS) |
| Inhalation: | Inhalation. - Rat LCLo: 2190 mg/m3/4H; Lungs, Thorax, or Respiration - dyspnea (RTECS) |
| Ingestion: | Ingestion - Rat LDLo: 5 gm/kg; Nutritional and Gross Metabolic - other changes (RTECS) |
| **Stoddard solvent :** | |
| RTECS Number: | WJ8925000 |
| Eye: | Eye - Rabbit; Standard Draize Test. : 500 mg/24H; Moderate. (RTECS) |
| Inhalation: | Inhalation. - Rat LCLo: 8200 mg/m3/8H; Behavioral - tremor<br>Inhalation. - Rat LC: >5500 mg/m3/4H; Behavioral - somnolence (general depressed activity) (RTECS) |
| Ingestion: | Ingestion - Rat LD: >5 gm/kg; Behavioral - somnolence (general depressed activity) (RTECS) |

## SECTION 12 - ECOLOGICAL INFORMATION

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|---|---|
| Ecotoxicity: | No ecotoxicity data was found for the product. |
| Environmental Fate: | No environmental information found for this product. |

## SECTION 13 - DISPOSAL CONSIDERATIONS

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|---|---|
| Waste Disposal: | Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines. |
| Important Disposal Information: | DANGER! Rags, steel wool and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. To avoid a spontaneous combustion fire, immediately after use, place rags, steel wool or waste in a sealed, water-filled, metal container. Do not store unused product inside the home. For disposal guidance, contact your household refuse collection service, fire department, county or state government environmental control agency. |

## SECTION 14 - TRANSPORT INFORMATION

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|---|---|
| DOT Shipping Name: | Paint. |
| DOT UN Number: | UN1263 |
| DOT Hazard Class: | 3 |
| DOT Packing Group: | III |

## SECTION 15 - REGULATORY INFORMATION

**Silicate, mica :**

| | |
|---|---|
| TSCA Inventory Status: | Not listed |
| State Regulations: | Listed in the New Jersey State Right to Know List.<br>Listed in the Pennsylvania State Hazardous Substances List. |
| Canada DSL: | Listed |

**Titanium dioxide :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| State Regulations: | Listed in the New Jersey State Right to Know List.<br>Listed in the Pennsylvania State Hazardous Substances List. |
| Canada DSL: | Listed |

**Rutile :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| State Regulations: | Listed in the Pennsylvania State Hazardous Substances List. |
| Canada DSL: | Listed |

**Carbonic acid calcium salt :**

| | |
|---|---|
| Canada DSL: | Listed |

**Ethylbenzene :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| State Regulations: | Listed in the New Jersey State Right to Know List.<br>Listed in the Pennsylvania State Hazardous Substances List. |
| California PROP 65: | Listed in California Prop65 list |
| Canada DSL: | Listed |

**Distillates (petroleum), hydrotreated light; Kerosine - unspecified :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| Canada DSL: | Listed |

**Xylene :**

| | |
|---|---|
| TSCA Inventory Status: | Listed |
| State Regulations: | Listed in the New Jersey State Right to Know List.<br>Listed in the Pennsylvania State Hazardous Substances List. |

| | |
|---|---|
| Canada DSL: | Listed |
| **Amorphous silica :** | |
| TSCA Inventory Status: | Listed |
| State Regulations: | Listed in the Pennsylvania State Hazardous Substances List. |
| Canada DSL: | Listed |
| **Stoddard solvent :** | |
| TSCA Inventory Status: | Listed |
| State Regulations: | Listed in the New Jersey State Right to Know List.<br>Listed in the Pennsylvania State Hazardous Substances List. |
| Canada DSL: | Listed |
| | WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm. |

## SECTION 16 - ADDITIONAL INFORMATION

| | |
|---|---|
| HMIS Fire Hazard: | 2 |
| HMIS Health Hazard: | 1 |
| HMIS Reactivity: | 1 |
| MSDS Creation Date: | 06/26/2006 |
| MSDS Revision Date: | 03/09/2008 |
| MSDS Revision Notes: | Quarterly formula update |
| MSDS Author: | Actio Corporation |
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