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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: BEHR® Premium Plus Exterior Water-Based Primer & Sealer No. 436
Product Number: 436
Manufacturer Name: BEHR Process Corporation
Address: 3400 W. Segerstrom Avenue
 Santa Ana CA 92704

NFPA

U.S. Contact Info.:

Business Phone: (714) 545-7101
Technical Service Phone: (800) 854-0133 ext. 2
Business Fax: (714) 241-1002

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1 0

Canadian Contact Info.:

Business Phone: (800) 661-1591
Technical Service Phone: (800) 661-1591
Business Fax: (800) 387-0019

HMIS

HEALTH	1
FIRE	1
REACTIVITY	0
PPE	

For emergencies in the US, call CHEMTREC: 800-424-9300

In Canada, call CANUTEC: (613) 996-6666 (call collect)

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product No. 436

Chemical Name	CAS#	Lower Percent	Upper Percent
Nepheline Syenite	37244-96-5	10	30
Titanium dioxide	13463-67-7	10	30
Ethylene Glycol	107-21-1	1	5
Hydrophobically-modified polyether solution	No data	1	5
Zinc oxide	1314-13-2	1	5
Flux Calcined Diatomaceous Earth (DE)	68855-54-9	1	5
Amorphous silica	7631-86-9	1	5
Silica, crystalline - cristobalite	14464-46-1	0.1	1
Non-hazardous ingredients		30	60

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SECTION 3: HAZARDS IDENTIFICATION

Product No. 436

Emergency Overview: Irritant.

Potential Health Effects:

Eye Contact: May cause irritation.

Skin Contact:	May cause irritation.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause vomiting.
Chronic Skin Contact:	Prolonged or repeated contact may cause skin irritation.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Signs/Symptoms:	Overexposure may cause headaches and dizziness.
Aggravation of Pre-Existing Conditions:	None generally recognized.

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SECTION 4: FIRST AID MEASURES

Product No. 436

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. 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.

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SECTION 5: FIRE FIGHTING MEASURES

Product No. 436

Flash Point:	No Data
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 pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Product No. 436

Personal Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.

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SECTION 7: HANDLING AND STORAGE

Product No. 436

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
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.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Product No. 436

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.
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.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for

	permeability data.
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.
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.

Ingredient Guidelines	Guideline Type	Guideline Information
Ethylene Glycol	ACGIH TLV-STEL	C 100 mg/m3 (Aerosol only)
Silica, crystalline - cristobalite	ACGIH TLV-TWA	0.05 mg/m3 (Respirable)
Titanium dioxide	ACGIH TLV-TWA	10 mg/m3
	OSHA PEL-TWA	15 mg/m3
Zinc oxide	ACGIH TLV-TWA	2 mg/m3 (Respirable)
	ACGIH TLV-STEL	10 mg/m3 (Respirable)

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Product No. 436

Physical State/Appearance:	Liquid
Color:	White
pH:	8.5 to 9.5
Vapor Density:	Greater than 1 (Air = 1)
Density:	10 - 12 Lbs./gal.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC:	Material VOC: 67gm/l (Includes Water)" "Coating VOC: 145 gm/l (Excludes Water)

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SECTION 10: STABILITY AND REACTIVITY

Product No. 436

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatibilities with Other Materials:	Oxidizing agents. Strong acids and alkalis.
Hazardous Polymerization:	Not reported.
Hazardous Decomposition Products:	Incomplete combustion may produce carbon monoxide and other toxic gases.

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SECTION 11: TOXICOLOGICAL INFORMATION

Product No. 436

Ethylene Glycol

Eye Effect:	Eye - Rabbit; Standard Draize : 500 mg/24H; Mild.
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Eye - Rabbit; Standard Draize : 1440 mg/6H; Moderate. (RTECS)
Skin Effects: Skin - Rabbit; Open irritation : 555 mg; Mild. (RTECS)
Ingestion Effects: Ingestion - Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value. (RTECS)
Inhalation Effects: Inhalation - Rat LC: >200 mg/m ³ /4H; Details of toxic effects not reported other than lethal dose value
Inhalation - Mouse LC: >200 mg/m ³ /2H; Details of toxic effects not reported other than lethal dose value (RTECS)

Zinc oxide

Eye Effect: Eye - Rabbit; Standard Draize : 500 mg/24H; Mild . (RTECS)
Skin Effects: Skin - Rabbit; Standard Draize : 500 mg/24H; Mild . (RTECS)
Ingestion Effects: Ingestion - Mouse LD50: 7950 mg/kg; Details of toxic effects not reported other than lethal dose value. (RTECS)
Inhalation Effects: Inhalation - Mouse LC50: 2500 mg/m ³ ; Details of toxic effects not reported other than lethal dose value . (RTECS)

Amorphous silica

Eye Effect: Eye - Rabbit; Standard Draize : 25 mg/24H; Mild. (RTECS)
Ingestion Effects: Ingestion - Rat LDLo: 5 gm/kg; Nutritional and Gross Metabolic - other changes (RTECS)
Inhalation Effects: Inhalation - Rat LCLo: 2190 mg/m ³ /4H; Lungs, Thorax, or Respiration - dyspnea (RTECS)

Carcinogenicity: IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Silica, crystalline - cristobalite

Carcinogenicity: IARC: Group 1: Carcinogenic to humans NTP: Reasonably anticipated to be a human carcinogen

Titanium dioxide

Skin Effects: Skin - Rabbit; Standard Draize : 300 ug/3D; (Intermittent) Mild. (RTECS)
Ingestion Effects: Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea Gastrointestinal - other changes. (RTECS)

Carcinogenicity: IARC: Group 2B: Possibly carcinogenic to humans

Notes Not all of the toxicological studies for the ingredients contained in this product are displayed. For additional information, please consult the references listed in Section 16 of this MSDS.

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SECTION 12: ECOLOGICAL INFORMATION

Product No. 436

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

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SECTION 13: DISPOSAL CONSIDERATIONS

Product No. 436

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.
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SECTION 14: TRANSPORT INFORMATION

Product No. 436

DOT UN Number: No Data
DOT Hazard Class: No Data

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SECTION 15: REGULATORY INFORMATION

Product No. 436

Ethylene Glycol

TSCA 8(b): Inventory Status: Listed
State: Listed in the New Jersey State Right to Know list. Listed in the Pennsylvania Hazardous Substances list.
Canada DSL: Listed

Flux Calcined Diatomaceous Earth (DE)

TSCA 8(b): Inventory Status: Listed
 State: Listed in the Pennsylvania Hazardous Substances list.
 Canada DSL: Listed

Nepheline Syenite

TSCA 8(b): Inventory Status: Not listed
 Canada DSL: Listed

Zinc oxide

TSCA 8(b): Inventory Status: Listed
 State: Listed in the New Jersey State Right to Know list.
 Listed in the Pennsylvania Hazardous Substances list.
 Canada DSL: Listed

Amorphous silica

TSCA 8(b): Inventory Status: Listed
 State: Listed in the Pennsylvania Hazardous Substances list.
 Canada DSL: Listed

Silica, crystalline - cristobalite

TSCA 8(b): Inventory Status: Listed
 State: Listed in the New Jersey State Right to Know list.
 Listed in the Pennsylvania Hazardous Substances list.
 Canada DSL: Listed

Titanium dioxide

TSCA 8(b): Inventory Status: Listed
 State: Listed in the New Jersey State Right to Know list.
 Listed in the Pennsylvania Hazardous Substances list.
 Canada DSL: Listed
 Proposition 65: WHMIS Class D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

California Prop 65 WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

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SECTION 16: ADDITIONAL INFORMATION

Product No. 436

MSDS Revision Date: 06/26/2006
 MSDS Author: Actio Corporation

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific materials designated. Refer to individual product safety Data sheets when using more than one product in combination with another.

References:

1. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
2. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
3. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
4. Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer, 2004.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Tenth Report on Carcinogens, 2002.
9. Brethericks Reactive Chemical Hazards Database. Version 2.
10. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
11. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
12. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environment and Biological Exposure Indices. TLV Booklet, 2003.

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