



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** BEHR PREMIUM PLUS Interior Semi-Gloss Enamel - Ultra Pure White

**Other means of identification**

**Product code** 3050

**Recommended use** Architectural Coating

**Recommended restrictions** Uses other than the recommended use.

**Manufacturer/Importer/Supplier/Distributor information**

**Supplier** Behr Process LLC  
1801 E. St. Andrew Place  
Santa Ana, CA 92705

**Telephone** 714-545-7101

**Emergency telephone** +1 760 476 3962  
+1 866 519 4752

**Access code** 335213

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Sensitization, skin Category 1

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** May cause an allergic skin reaction.

**Precautionary statement**

**Prevention** Avoid breathing mist/vapors. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

**Response** If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**Storage** Not assigned.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                            | CAS number | %         |
|------------------------------------------|------------|-----------|
| Titanium dioxide                         | 13463-67-7 | 10 - 30   |
| Aluminum hydroxide                       | 21645-51-2 | 0.5 - 1.5 |
| Silicon dioxide, crystalline silica-free | 7631-86-9  | 0.5 - 1.5 |
| 2-Methyl-2H-isothiazol-3-one             | 2682-20-4  | 0 - 0.1   |
| 5-Chloro-2-methyl-2H-isothiazol-3-one    | 26172-55-4 | 0 - 0.1   |
| Biocide                                  | 55965-84-9 | 0 - 0.1   |



|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Composition comments</b>                                                   | <p>All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.</p> <p>The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.</p>                                                                                                                                                                                                                                                                                             |
| <b>4. First-aid measures</b>                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Inhalation</b>                                                             | Move to fresh air. Call a physician if symptoms develop or persist.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Skin contact</b>                                                           | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Eye contact</b>                                                            | Rinse with water. Get medical attention if irritation develops and persists.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ingestion</b>                                                              | Rinse mouth. Get medical attention if symptoms occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Most important symptoms/effects, acute and delayed</b>                     | May cause an allergic skin reaction. Dermatitis. Rash.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>5. Fire-fighting measures</b>                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Suitable extinguishing media</b>                                           | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Unsuitable extinguishing media</b>                                         | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Specific hazards arising from the chemical</b>                             | During fire, gases hazardous to health may be formed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Special protective equipment and precautions for firefighters</b>          | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Fire fighting equipment/instructions</b>                                   | Move containers from fire area if you can do so without risk.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Specific methods</b>                                                       | Use standard firefighting procedures and consider the hazards of other involved materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>General fire hazards</b>                                                   | No unusual fire or explosion hazards noted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>6. Accidental release measures</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Personal precautions, protective equipment and emergency procedures</b>    | <p>Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.</p>                                                                                 |
| <b>Methods and materials for containment and cleaning up</b>                  | <p>Prevent product from entering drains.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Absorb spillage with suitable absorbent material. Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>                                              | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                   |
| <b>7. Handling and storage</b>                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Precautions for safe handling</b>                                          | Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Persons susceptible to allergic reactions should not handle this product. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.                                                                                                                                                                                                       |
| <b>Conditions for safe storage, including any incompatibilities</b>           | Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### U.S. - OSHA Components

| Type | Value    |
|------|----------|
| TWA  | 80 mg/m3 |

#### US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

| Components                        | Type | Value    | Form        |
|-----------------------------------|------|----------|-------------|
| Titanium dioxide (CAS 13463-67-7) | PEL  | 15 mg/m3 | Total dust. |

#### US. OSHA Table Z-3 Permissible Exposure Limits (PEL) for Mineral Dusts (29 CFR 1910.1000)

| Components                                               | Type | Value    | Form                 |
|----------------------------------------------------------|------|----------|----------------------|
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9) | TWA  | 5 mg/m3  | Respirable fraction. |
|                                                          |      | 15 mg/m3 | Total dust.          |
|                                                          |      | 20 mppcf |                      |

#### US. ACGIH Threshold Limit Values (TLV)

| Components                          | Type | Value     | Form                           |
|-------------------------------------|------|-----------|--------------------------------|
| Aluminum hydroxide (CAS 21645-51-2) | TWA  | 1 mg/m3   | Respirable fraction.           |
| Titanium dioxide (CAS 13463-67-7)   | TWA  | 2.5 mg/m3 | Respirable finescale particles |
|                                     |      | 0.2 mg/m3 | Respirable nanoscale particles |

#### NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended

| Components                                               | Type | Value      |
|----------------------------------------------------------|------|------------|
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9) | IDLH | 3000 mg/m3 |
| Titanium dioxide (CAS 13463-67-7)                        | IDLH | 5000 mg/m3 |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components                                               | Type | Value   |
|----------------------------------------------------------|------|---------|
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9) | TWA  | 6 mg/m3 |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection    | Wear safety glasses with side shields (or goggles). Face shield is recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Skin protection        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hand protection        | Wear appropriate chemical resistant gloves.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Skin protection        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Other                  | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Respiratory protection | If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Chemical respirator with organic vapor cartridge and full facepiece. 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. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. |
| Thermal hazards        | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties****Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** White.

**Odor** Slight.

**Odor threshold** Not available.

**pH** 7 - 10

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** Not applicable.

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not applicable.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** 50 - 140 KU

**Other information**

**Density** 10.39 lb/gal

**Explosive properties** Not explosive.

**Oxidizing properties** Not oxidizing.

**VOC** 3 g/l (excluding water) (Coating)

1 g/l (including water) (Material)

**10. Stability and reactivity**

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** No hazardous decomposition products are known.

**11. Toxicological information****Information on likely routes of exposure**

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** May cause an allergic skin reaction.

**Eye contact** Direct contact with eyes may cause temporary irritation.

|                                                                              |                                                                                                                                                                                               |                                                     |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Ingestion                                                                    | May cause discomfort if swallowed.                                                                                                                                                            |                                                     |
| Symptoms related to the physical, chemical and toxicological characteristics | May cause an allergic skin reaction. Dermatitis. Rash.                                                                                                                                        |                                                     |
| Information on toxicological effects                                         |                                                                                                                                                                                               |                                                     |
| Acute toxicity                                                               | Not expected to be acutely toxic.                                                                                                                                                             |                                                     |
| Components                                                                   | Species                                                                                                                                                                                       | Test Results                                        |
| Aluminum hydroxide (CAS 21645-51-2)                                          |                                                                                                                                                                                               |                                                     |
| <u>Acute</u>                                                                 |                                                                                                                                                                                               |                                                     |
| Oral                                                                         |                                                                                                                                                                                               |                                                     |
| LD50                                                                         | Rat                                                                                                                                                                                           | > 5000 mg/kg                                        |
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9)                     |                                                                                                                                                                                               |                                                     |
| <u>Acute</u>                                                                 |                                                                                                                                                                                               |                                                     |
| Dermal                                                                       |                                                                                                                                                                                               |                                                     |
| LD50                                                                         | Rabbit                                                                                                                                                                                        | > 5000 mg/kg, 24 Hours                              |
| Inhalation                                                                   |                                                                                                                                                                                               |                                                     |
| Dust                                                                         |                                                                                                                                                                                               |                                                     |
| LC50                                                                         | Rat                                                                                                                                                                                           | > 0.14 mg/l, 4 Hours                                |
| Oral                                                                         |                                                                                                                                                                                               |                                                     |
| LD50                                                                         | Rat                                                                                                                                                                                           | > 3300 mg/kg                                        |
| Titanium dioxide (CAS 13463-67-7)                                            |                                                                                                                                                                                               |                                                     |
| <u>Acute</u>                                                                 |                                                                                                                                                                                               |                                                     |
| Oral                                                                         |                                                                                                                                                                                               |                                                     |
| LD50                                                                         | Rat                                                                                                                                                                                           | > 5000 mg/kg                                        |
| Skin corrosion/irritation                                                    | Prolonged skin contact may cause temporary irritation.                                                                                                                                        |                                                     |
| Serious eye damage/eye irritation                                            | Direct contact with eyes may cause temporary irritation.                                                                                                                                      |                                                     |
| Respiratory or skin sensitization                                            |                                                                                                                                                                                               |                                                     |
| Respiratory sensitization                                                    | Not a respiratory sensitizer.                                                                                                                                                                 |                                                     |
| Skin sensitization                                                           | May cause an allergic skin reaction.                                                                                                                                                          |                                                     |
| Germ cell mutagenicity                                                       | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.                                                                              |                                                     |
| Carcinogenicity                                                              | Not classifiable as to carcinogenicity to humans.<br>Inhalation of titanium dioxide dust may cause cancer, however due to the physical form of the product, inhalation of dust is not likely. |                                                     |
| IARC Monographs. Overall Evaluation of Carcinogenicity                       |                                                                                                                                                                                               |                                                     |
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9)                     |                                                                                                                                                                                               | 3 Not classifiable as to carcinogenicity to humans. |
| Titanium dioxide (CAS 13463-67-7)                                            |                                                                                                                                                                                               | 2B Possibly carcinogenic to humans.                 |
| NTP Report on Carcinogens                                                    |                                                                                                                                                                                               |                                                     |
| Not listed.                                                                  |                                                                                                                                                                                               |                                                     |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)               |                                                                                                                                                                                               |                                                     |
| Not listed.                                                                  |                                                                                                                                                                                               |                                                     |
| Reproductive toxicity                                                        | This product is not expected to cause reproductive or developmental effects.                                                                                                                  |                                                     |
| Specific target organ toxicity - single exposure                             | Not classified.                                                                                                                                                                               |                                                     |
| Specific target organ toxicity - repeated exposure                           | Not classified.                                                                                                                                                                               |                                                     |
| Aspiration hazard                                                            | Not an aspiration hazard.                                                                                                                                                                     |                                                     |
| Chronic effects                                                              | Prolonged inhalation may be harmful.                                                                                                                                                          |                                                     |
| 12. Ecological information                                                   |                                                                                                                                                                                               |                                                     |
| Ecotoxicity                                                                  | Harmful to aquatic life with long lasting effects.                                                                                                                                            |                                                     |
| Persistence and degradability                                                | No data is available on the degradability of this product.                                                                                                                                    |                                                     |

|                                  |                    |
|----------------------------------|--------------------|
| <b>Bioaccumulative potential</b> | No data available. |
| <b>Mobility in soil</b>          | No data available. |
| <b>Other adverse effects</b>     | No data available. |

### 13. Disposal considerations

|                                              |                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                                                                                                                                                   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                                                                                                                                           |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.                                                                                                                                                      |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.                                                                                                                               |

### 14. Transport information

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

### 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| 2-Methyl-2H-isothiazol-3-one (CAS 2682-20-4)           | 1.0 % One-Time Export Notification only. |
| 5-Chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) | 1.0 % One-Time Export Notification only. |

#### CERCLA Hazardous Substance List (40 CFR 302.4)

|                              |        |
|------------------------------|--------|
| Carbendazim (CAS 10605-21-7) | Listed |
|------------------------------|--------|

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

**Toxic Substances Control Act (TSCA)** All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Respiratory or skin sensitization

##### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

##### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

##### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.



Contains component(s) regulated under the Safe Drinking Water Act.