# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **BEHR® PREMIUM Transparent Waterproofing Wood Finish - Redwood**

**Other means of identification**

**Product number** 502

**Recommended use** Architectural Coating

**Recommended restrictions** None known.

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

**Supplier** Behr Process Corp.
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 |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity | Category 2 |
| Reproductive toxicity | Category 1B |
| Specific target organ toxicity, repeated exposure | Category 2 (kidney) |

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** May cause an allergic skin reaction. May cause genetic defects. Suspected of causing cancer. May damage fertility. May damage the unborn child. May cause damage to organs (kidney) through prolonged or repeated exposure.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

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

**Storage** Store locked up.

**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 | % |
|---|---|---|
| Ethylene glycol | 107-21-1 | 1 - 5 |
| Carbendazim | 10605-21-7 | 0.1 - 1 |
| Diuron | 330-54-1 | 0.1 - 1 |
| Hindered amine light stabilizer | 104810-47-1 | 0.1 - 1 |
| Hindered amine light stabilizer | 104810-48-2 | 0.1 - 1 |
| Hindered amine light stabilizer | 41556-26-7 | 0.1 - 1 |
| Hindered amine light stabilizer | 82919-37-7 | 0.1 - 1 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.

## 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** 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.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed** May cause an allergic skin reaction. Dermatitis. Rash. Edema. Prolonged exposure may cause chronic effects.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information** IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** Move containers from fire area if you can do so without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards** No unusual fire or explosion hazards noted.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe 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.

**Methods and materials for containment and cleaning up**

This product is miscible in water.

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.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Diuron (CAS 330-54-1) | TWA | 10 mg/m3 | |
| Ethylene glycol (CAS 107-21-1) | STEL | 10 mg/m3 | Aerosol, inhalable. |
| | | 50 ppm | Vapor fraction |
| | TWA | 25 ppm | Vapor fraction |

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

| Components | Type | Value |
|---|---|---|
| Diuron (CAS 330-54-1) | TWA | 10 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).

**Skin protection**

**Hand protection**

Wear appropriate chemical resistant gloves.

**Skin protection**

**Other**

Wear appropriate chemical resistant clothing.

**Respiratory protection**

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. 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.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. 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** | Red. |
| **Odor** | Slight. |
| **Odor threshold** | Not available. |
| **pH** | 7 - 10 |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | > 99 °F (> 37.2 °C) |
| **Flash point** | Not applicable. |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not available. |
| **Flammability limit - upper (%)** | Not available. |
| **Vapor pressure** | Not available. |
| **Vapor density** | Not available. |
| **Relative density** | 1.04 |
| **Solubility(ies)** | |
| **Solubility (water)** | Soluble. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | 50 - 140 KU at 25°C |
| **Other information** | |
| **Density** | 8.68 lbs/gal |
| **Explosive properties** | Not explosive. |
| **Oxidizing properties** | Not oxidizing. |
| **VOC** | 51 g/l (including water) (Material)<br>166 g/l (excluding water) (Coating) |

## 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** | Expected to be a low ingestion hazard. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | May cause an allergic skin reaction. Dermatitis. Rash. Edema. |

**Information on toxicological effects**

**Acute toxicity**

| Components | Species | Test Results |
|---|---|---|
| Ethylene glycol (CAS 107-21-1) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | 9530 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** May cause genetic defects.

**Carcinogenicity** Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**NTP Report on Carcinogens**

Not listed.

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

Not listed.

**Reproductive toxicity** May damage fertility or the unborn child.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** May cause damage to organs (kidney) through prolonged or repeated exposure.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** 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 (see: Disposal instructions).

**Contaminated packaging** 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**

**UN number** UN3082

**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Diuron, Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate)

**Transport hazard class(es)**

| | |
|---|---|
| **Class** | 9 |
| **Subsidiary risk** | - |
| **Packing group** | III |
| **Environmental hazards** | Yes |
| **ERG Code** | 9L |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**IMDG**

| | |
|---|---|
| **UN number** | UN3082 |
| **UN proper shipping name** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diuron, Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate) |

**Transport hazard class(es)**

| | |
|---|---|
| **Class** | 9 |
| **Subsidiary risk** | - |
| **Packing group** | III |
| **Environmental hazards** | |
| **Marine pollutant** | Yes |
| **EmS** | F-A, S-F |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

| | |
|---|---|
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not applicable. |
| **General information** | IMDG Regulated Marine Pollutant. |

## 15. Regulatory information

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

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

Not regulated.

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

| | |
|---|---|
| Carbendazim (CAS 10605-21-7) | Listed. |
| Diuron (CAS 330-54-1) | Listed. |
| Ethylene glycol (CAS 107-21-1) | Listed. |

**SARA 304 Emergency release notification**

Not regulated.

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

Not listed.

**Toxic Substances Control Act (TSCA)**

**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<br>Germ cell mutagenicity<br>Carcinogenicity<br>Reproductive toxicity<br>Specific target organ toxicity (single or repeated exposure) |

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---|---|---|
| Ethylene glycol | 107-21-1 | 1 - 5 |

**Other federal regulations**

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

Ethylene glycol (CAS 107-21-1)

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

Not regulated.

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

**US state regulations**

**US. Massachusetts RTK - Substance List**

Diuron (CAS 330-54-1)
Ethylene glycol (CAS 107-21-1)

**US. New Jersey Worker and Community Right-to-Know Act**

Carbendazim (CAS 10605-21-7)
Diuron (CAS 330-54-1)
Ethylene glycol (CAS 107-21-1)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Diuron (CAS 330-54-1)
Ethylene glycol (CAS 107-21-1)

**US. Rhode Island RTK**

Diuron (CAS 330-54-1)
Ethylene glycol (CAS 107-21-1)

## 16. Other information, including date of preparation or last revision

| | |
|---|---|
| **Issue date** | 26-December-2019 |
| **Revision date** | 16-June-2020 |
| **Version #** | 03 |
| **Further information** | HMIS® is a registered trade and service mark of the ACA.<br>G - Safety Glasses, Gloves, Vapor Respirator |
| **HMIS® ratings** | Health: 2*<br>Flammability: 0<br>Physical hazard: 0<br>Personal protection: G |
| **List of abbreviations** | DOT: Department of Transportation (49 CFR 172.101).<br>IATA: International Air Transport Association.<br>IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.<br>IMDG Code: International Maritime Dangerous Goods Code.<br>LD50: Lethal Dose, 50%.<br>MARPOL: International Convention for the Prevention of Pollution from Ships.<br>STEL: Short-Term Exposure Limit.<br>TWA: Time Weighted Average Value. |
| **References** | HSDB® - Hazardous Substances Data Bank<br>IARC Monographs. Overall Evaluation of Carcinogenicity |
| **Disclaimer** | Behr Process Corp cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. |