



# Benjamin Moore®

## SAFETY DATA SHEET

Revision Date: 06-Jul-2023

Revision Number: 3

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** ELEMENT GUARD EXTERIOR PAINT SOFT GLOSS FINISH  
**Product Code** BASE 4  
**Alternate Product Code** K7654X  
**Product Class** K7654X  
**Color** Water thinned paint  
**Recommended use** All  
**Restrictions on use** Paint  
No information available

**Manufactured For**  
Benjamin Moore & Co., Limited  
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+1 703-527-3887 (outside US & Canada)  
CANUTEC: 613-996-6666 (Transport Emergency Only)

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

|                        |             |
|------------------------|-------------|
| Skin sensitization     | Category 1  |
| Germ cell mutagenicity | Category 1B |
| Reproductive toxicity  | Category 1B |

#### Label elements

##### **Danger**

##### **Hazard statements**

May cause an allergic skin reaction  
May cause genetic defects  
May damage fertility or the unborn child



**Appearance** liquid

**Odor** little or no odor

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Skin**

IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

No information available

**WARNING:** This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

**3. COMPOSITION INFORMATION ON COMPONENTS**

| Chemical name                                      | CAS No     | Weight-%    | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--|------------|-------------|--|---|
| Nepheline syenite                                  | 37244-96-5 | 1 - 5%      | -  | -   |
| Zinc oxide   | 1314-13-2  | 0.5 - 1%    | -  | -   |
| Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester | 10605-21-7 | 0.25 - 0.5% | -  | -   |
| 1-Methyl-2-pyrrolidinone                           | 872-50-4   | 0.1 - 0.25% | -  | -   |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

#### 4. FIRST AID MEASURES

|  |   |
|--|---|
| <b>General Advice</b>                  | If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.   |
| <b>Eye Contact</b>                     | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  |
| <b>Skin Contact</b>                    | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash clothing before reuse. Destroy contaminated articles such as shoes. |
| <b>Inhalation</b>                      | Move to fresh air. If symptoms persist, call a physician.   |
| <b>Ingestion</b>                       | Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.  |
| <b>Most Important Symptoms/Effects</b> | May cause allergic skin reaction.   |
| <b>Notes To Physician</b>              | Treat symptomatically.  |

#### 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| <b>Suitable Extinguishing Media</b>                          | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                |
| <b>Protective equipment and precautions for firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| <b>Specific Hazards Arising From The Chemical</b>            | Closed containers may rupture if exposed to fire or extreme heat.  |
| <b>Sensitivity to mechanical impact</b>                      | No   |
| <b>Sensitivity to static discharge</b>                       | No   |
| <b>Flash Point Data</b>                                      |  |
| Flash point (°F)   | Not Applicable   |
| Flash Point (°C)   | Not applicable   |
| Method   | Not applicable   |
| <b>Flammability Limits In Air</b>                            |  |
| Lower flammability limit:                                    | Not applicable   |
| Upper flammability limit:                                    | Not applicable   |

**NFPA**

|                |                |
|----------------|----------------|
| Health hazards | 2              |
| Flammability   | 0              |
| Stability      | 0              |
| Special:       | Not Applicable |

**NFPA Legend**

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

**6. ACCIDENTAL RELEASE MEASURES**

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.                          |
| <b>Other Information</b>         | Prevent further leakage or spillage if safe to do so.   |
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information.   |
| <b>Methods for Cleaning Up</b>   | Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. |

**7. HANDLING AND STORAGE**

|                               |  |
|-------------------------------|--|
| <b>Handling</b>               | Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment. |
| <b>Storage</b>                | Keep container tightly closed. Keep out of the reach of children.  |
| <b>Incompatible Materials</b> | No information available   |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits**

| Chemical name     | ACGIH TLV   | Alberta  | British Columbia   | Ontario  | Quebec   |
|-------------------|---|--|--|--|--|
| Nepheline syenite | -   | -  | -  | 10 mg/m <sup>3</sup> - TWA                               | -  |
| Zinc oxide        | STEL: 10 mg/m <sup>3</sup> respirable particulate matter<br>TWA: 2 mg/m <sup>3</sup> respirable particulate matter<br>TWA: 0.5 mg/m <sup>3</sup> Ba | 2 mg/m <sup>3</sup> - TWA<br>10 mg/m <sup>3</sup> - STEL | 2 mg/m <sup>3</sup> - TWA<br>10 mg/m <sup>3</sup> - STEL | 2 mg/m <sup>3</sup> - TWA<br>10 mg/m <sup>3</sup> - STEL | 10 mg/m <sup>3</sup> - TWAEV<br>5 mg/m <sup>3</sup> - TWAEV<br>10 mg/m <sup>3</sup> - STEV |

|                          |   |   |   |                             |   |
|--------------------------|---|---|---|-----------------------------|---|
|                          | As Barium soluble compounds<br>[RR-00049-7] |   |   |                             |   |
| 1-Methyl-2-pyrrolidinone | -   | - | - | 400 mg/m <sup>3</sup> - TWA | - |

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists  
 Alberta - Alberta Occupational Exposure Limits  
 British Columbia - British Columbia Occupational Exposure Limits  
 Ontario - Ontario Occupational Exposure Limits  
 Quebec - Quebec Occupational Exposure Limits  
 N/E - Not established

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/Face Protection**

Safety glasses with side-shields

**Skin Protection**

Protective gloves and impervious clothing.

**Respiratory Protection**

Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

**Hygiene Measures**

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                    |                          |
|------------------------------------|--------------------------|
| <b>Appearance</b>                  | liquid                   |
| <b>Odor</b>                        | little or no odor        |
| <b>Odor Threshold</b>              | No information available |
| <b>Density (lbs./gal)</b>          | 8.6 - 9.0                |
| <b>Specific Gravity</b>            | 1.03 - 1.08              |
| <b>pH</b>                          | No information available |
| <b>Viscosity (cps)</b>             | No information available |
| <b>Solubility(ies)</b>             | No information available |
| <b>Water solubility</b>            | No information available |
| <b>Evaporation Rate</b>            | No information available |
| <b>Vapor pressure @20 °C (kPa)</b> | No information available |
| <b>Relative vapor density</b>      | No information available |
| <b>Wt. % Solids</b>                | 35 - 45                  |
| <b>Vol. % Solids</b>               | 30 - 40                  |
| <b>Wt. % Volatiles</b>             | 55 - 65                  |
| <b>Vol. % Volatiles</b>            | 60 - 70                  |
| <b>VOC Regulatory Limit (g/L)</b>  | < 50                     |
| <b>Boiling Point (°F)</b>          | 212                      |
| <b>Boiling Point (°C)</b>          | 100                      |
| <b>Freezing point (°F)</b>         | 32                       |
| <b>Freezing Point (°C)</b>         | 0                        |
| <b>Flash point (°F)</b>            | Not Applicable           |
| <b>Flash Point (°C)</b>            | Not applicable           |
| <b>Method</b>                      | Not applicable           |

|                                |                          |
|--------------------------------|--------------------------|
| Flammability (solid, gas)      | Not applicable           |
| Upper flammability limit:      | Not applicable           |
| Lower flammability limit:      | Not applicable           |
| Autoignition Temperature (°F)  | No information available |
| Autoignition Temperature (°C)  | No information available |
| Decomposition Temperature (°F) | No information available |
| Decomposition Temperature (°C) | No information available |
| Partition coefficient          | No information available |

## 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | Not Applicable                           |
| Chemical Stability                 | Stable under normal conditions.          |
| Conditions to avoid                | Prevent from freezing.                   |
| Incompatible Materials             | No materials to be especially mentioned. |
| Hazardous Decomposition Products   | None under normal use.                   |
| Possibility of hazardous reactions | None under normal conditions of use.     |

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

### Acute Toxicity

Product Information No information available

### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                       |  |
|-----------------------|--|
| Eye contact           | May cause slight irritation  |
| Skin contact          | Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation. |
| Inhalation            | May cause irritation of respiratory tract.   |
| Ingestion             | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                              |
| Sensitization         | May cause an allergic skin reaction.   |
| Neurological Effects  | No information available.  |
| Mutagenic Effects     | Suspected of causing genetic defects.  |
| Reproductive Effects  | May damage fertility or the unborn child.  |
| Developmental Effects | No information available.  |
| Target organ effects  | No information available.  |

**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Other adverse effects** No information available.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

**Component Information**

Caution - This mixture contains a substance not yet fully tested

| Chemical name   | Oral LD50            | Dermal LD50              | Inhalation LC50        |
|---|----------------------|--------------------------|------------------------|
| Zinc oxide<br>1314-13-2   | > 5000 mg/kg ( Rat ) | -                        | -                      |
| Carbamic acid,<br>1H-benzimidazol-2-yl-, methyl ester<br>10605-21-7 | > 5050 mg/kg ( Rat ) | > 10000 mg/kg ( Rabbit ) | -                      |
| 1-Methyl-2-pyrrolidinone<br>872-50-4                                | = 3914 mg/kg ( Rat ) | = 8 g/kg ( Rabbit )      | > 5.1 mg/L ( Rat ) 4 h |

**Chronic Toxicity**

**Carcinogenicity**

*There are no known carcinogenic chemicals in this product above reportable levels.*

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

**Product Information**

**Acute Toxicity to Fish**

No information available

**Acute Toxicity to Aquatic Invertebrates**

No information available

**Acute Toxicity to Aquatic Plants**

No information available

**Persistence / Degradability**

No information available.

**Bioaccumulation**

There is no data for this product.

**Mobility in Environmental Media**

No information available.

**Ozone**

Not applicable

**Component Information**

**Acute Toxicity to Fish**

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester

LC50: 1.5 mg/L (Rainbow Trout - 96 hr.)

**Acute Toxicity to Aquatic Invertebrates**

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester

LC50: 0.22 mg/L (water flea - 48 hr.)

**Acute Toxicity to Aquatic Plants**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method**

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

**14. TRANSPORT INFORMATION**

**TDG**

Not regulated

**ICAO / IATA**

Not regulated

**IMDG / IMO**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA: United States**

Yes - All components are listed or exempt.

**DSL: Canada**

Yes - All components are listed or exempt.

**National Pollutant Release Inventory (NPRI)**

**NPRI Parts 1- 4**



This product contains the following Parts 1-4 NPRI chemicals:

| <u>Chemical name</u>     | <u>CAS No</u> | <u>Weight-%</u> | <u>NPRI Parts 1- 4</u> |
|--------------------------|---------------|-----------------|------------------------|
| 1-Methyl-2-pyrrolidinone | 872-50-4      | 0.1 - 0.25%     | Listed                 |

**NPRI Part 5**

This product contains the following NPRI Part 5 Chemicals:

None

**WHMIS Regulatory Status**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

**16. OTHER INFORMATION**

**HMIS**

|                            |    |
|----------------------------|----|
| <b>Health hazards</b>      | 2* |
| <b>Flammability</b>        | 0  |
| <b>Reactivity:</b>         | 0  |
| <b>Personal protection</b> | -  |

**HMIS Legend**

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard
- \* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada at [http://www.hc-sc.gc.ca/ewh-sem/contaminants/lead-plomb/asked\\_questions-questions\\_posees-eng.php](http://www.hc-sc.gc.ca/ewh-sem/contaminants/lead-plomb/asked_questions-questions_posees-eng.php).

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**Disclaimer**

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**End of Safety Data Sheet**