

SAFETY DATA SHEET  
**Monitor Quick Check**

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**SECTION 1: IDENTIFICATION**

**Product Name:** Latex

**Identified uses**

For industrial use. Typically used as a binder.

**Details of the supplier of the safety data sheet**

Company:

CEM Corporation  
3100 Smith Farm Road  
Matthews, NC 28104

Telephone: 704-821-7015

Fax: 704-821-7894

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**SECTION 2: HAZARD(S) IDENTIFICATION**

**Classification of the substance or mixture:** This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Other Hazards: no data available

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

This product is a mixture.

<b>Component</b>	<b>CAS #</b>	<b>Amount</b>
Styrene-butadiene based polymer	Trade secret	>= 45.0 - <= 55.0 %
Water	7732-18-5	>= 45.0 - <= 55.0 %

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## SECTION 4: FIRST-AID MEASURES

### Description of first aid measures

**General advice:** If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air; if effects occur, consult a physician.

**Skin Contact:** Wash skin with plenty of water.

**Eye Contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**Ingestion:** No emergency medical treatment necessary.

### Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

### Indication of immediate medical attention and special treatment needed

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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## SECTION 5: FIRE-FIGHTING MEASURES

### Suitable extinguishing media

To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

### Special hazards arising from the substance or mixture

**Hazardous Combustion Products:** Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Carbon dioxide. Carbon monoxide. Dense smoke. Organic compounds.

**Unusual Fire and Explosion Hazards:** This material will not burn until the water has evaporated. Residue can burn. Upon burning, the dry product generates dense black smoke.

### Advice for firefighters

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

**Special Protective Equipment for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**Methods and materials for containment and cleaning up:** Recover spilled material if possible. If unable to recover, then proceed with appropriate cleanup methods. Absorb with materials such as: Clay. Sand. Sawdust. Vermiculite. Collect in suitable and properly labeled containers. Water may be used for final cleaning of affected area. Wash water should be disposed of in accordance with local regulations. See Section 13, Disposal Considerations, for additional information.

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## SECTION 7: HANDLING AND STORAGE

### Handling

**General Handling:** Avoid prolonged or repeated contact with skin. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

### Storage

Store between 4.4°C (40°F) and 43.3°C (110°F). May coagulate if frozen at 0°C (32°F). Material may develop bacteria odor on long term storage. No safety problems known.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

None established

### Personal Protection

**Eye/Face Protection:** Use safety glasses (with side shields).

**Skin Protection:** Wear clean, body-covering clothing.

- **Hand protection:** Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Chlorinated polyethylene. Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Avoid gloves made of: Polyvinyl alcohol ("PVA"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Respiratory Protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or

guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In misty atmospheres, use an approved particulate respirator. The following should be effective types of airpurifying respirators: Particulate filter.

**Ingestion:** Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

**Engineering Controls**

**Ventilation:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

<b>Physical State</b>	Dispersion
<b>Color</b>	White
<b>Odor</b>	Characteristic
<b>Odor Threshold</b>	No test data available
<b>pH</b>	6.5 - 9.5 Estimated.
<b>Melting Point</b>	0 °C (32 °F) Literature (water)
<b>Freezing Point</b>	0 °C (32 °F) Literature (water)
<b>Boiling Point (760 mmHg)</b>	100 °C (212 °F) Literature (based on water).
<b>Flash Point - Closed Cup</b>	Not applicable water based product
<b>Evaporation Rate (Butyl Acetate = 1)</b>	no data available
<b>Flammability (solid, gas)</b>	No
<b>Flammable Limits In Air Lower:</b>	No test data available
<b>Upper:</b>	No test data available
<b>Vapor Pressure</b>	17.5 mmHg @ 20 °C Literature (water)
<b>Vapor Density (air = 1)</b>	0.6 Literature water vapor
<b>Specific Gravity (H2O = 1)</b>	0.95 - 1.10 Estimated.
<b>Solubility in water (by weight)</b>	Visual Miscible with water in all proportions
<b>Partition coefficient, noctanol/ water (log Pow)</b>	No data available for this product.
<b>Autoignition Temperature</b>	Not applicable water based product
<b>Decomposition Temperature</b>	No test data available
<b>Kinematic Viscosity</b>	< 500 cSt Estimated.
<b>Explosive properties</b>	No Assessment based on structural analysis
<b>Oxidizing properties</b>	No Assessment based on structural analysis
<b>Molecular Weight</b>	Technically not possible to determine molecular weight

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** Stable under recommended storage conditions. See Storage, Section 7.

**Possibility of hazardous reactions:** Polymerization will not occur.

**Conditions to Avoid:** Can coagulate if frozen. The dry resin is combustible.

**Incompatible Materials:** Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

**Hazardous decomposition products:** Decomposition products depend upon temperature, air supply and the presence of other materials.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Ingestion:** Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. For this family of materials: LD50, rat > 5,000 mg/kg

**Aspiration hazard:** Based on physical properties, not likely to be an aspiration hazard.

**Dermal:** Prolonged skin contact is unlikely to result in absorption of harmful amounts.

For this family of materials: LD50, rat > 2,000 mg/kg

**Inhalation:** No adverse effects are anticipated from single exposure to vapor. Mist may cause irritation of upper respiratory tract (nose and throat).

For this family of materials: The LC50 has not been determined.

**Eye damage/eye irritation:** May cause slight temporary eye irritation. Corneal injury is unlikely.

**Skin corrosion/irritation:** Brief contact is essentially nonirritating to skin. Prolonged contact may cause slight skin irritation with local redness. Latex may stick to skin causing irritation upon removal.

### Sensitization

**Skin:** For this family of materials, sensitization studies done in guinea pigs have been negative.

**Respiratory:** No relevant data found.

**Repeated Dose Toxicity:** For this family of materials: Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Chronic Toxicity and Carcinogenicity:** No relevant data found.

**Developmental Toxicity:** No relevant data found.

**Reproductive Toxicity:** No relevant data found.

**Genetic Toxicology:** No relevant data found.

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## SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

**Toxicity:** For this family of materials: Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

**Fish Acute & Prolonged Toxicity:** For this family of materials: LC50, Oncorhynchus mykiss (rainbow trout), 96 h: > 100 mg/l

**Aquatic Invertebrate Acute Toxicity:** For this family of materials: EC50, Daphnia magna (Water flea), 48 h, immobilization: > 100 mg/l

### **Persistence and Degradability**

Although the polymers are not biodegradable, they would likely be removed in biological wastewater treatment plants by adsorption to biosolids.

**Bioaccumulative potential:** Bioaccumulation: No bioconcentration of the polymeric component is expected because of its high molecular weight. Latex dispersions will color water a milky white.

### **Mobility in soil**

**Mobility in soil:** No relevant data found.

### **Results of PBT and vPvB assessment**

This mixture has not been assessed for persistence, bioaccumulation and toxicity (PBT).

**Other adverse effects:** No relevant data found.

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## SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

### Disposal methods

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

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## **SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)**

**DOT Non-Bulk:** NOT REGULATED

**DOT Bulk:** NOT REGULATED

**IMDG:** NOT REGULATED

**ICAO/IATA:** NOT REGULATED

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*

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## **SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)**

### **OSHA Hazard Communication Standard**

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### **Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312**

<b>Immediate (Acute) Health Hazard</b>	No
<b>Delayed (Chronic) Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Reactive Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No

### **Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

### **Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List:**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

### **Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Special Hazardous Substances List:**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

### **California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)**

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

### **US. Toxic Substances Control Act**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

**CEPA - Domestic Substances List (DSL)**

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

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**SECTION 16: OTHER INFORMATION**

**Revision**

Identification Number: 81323 / 1810 / Issue Date 05/19/2015 / Version: 5.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

N/A	Not available
W/W	Weight/Weight
OEL	Occupational Exposure Limit
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
DOW IHG	Dow Industrial Hygiene Guideline
WEEL	Workplace Environmental Exposure Level
HAZ_DES	Hazard Designation
Action Level	A value set by OSHA that is lower than the PEL which will trigger the need for activities such as exposure monitoring and medical surveillance if exceeded.

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