



# SAFETY DATA SHEET

SDS No. 1407

Revision Date: 2/14/2019 Version: 2.0

GHS Compliant

## Section 1 - Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier:** Federal White Cement  
**1.2 General Use:** Building materials, construction, basic ingredient in concrete  
**1.3 Manufacturer:** Buddy Rhodes Concrete Products  
5600 Lower Macungie Rd., Macungie, PA 18062  
Domestic: 1 (877) 706-5303 International: (610) 252-5800
- 1.4 Emergency Contact:** Chem-Tel Domestic: 800-255-3924 International: 813-248-0585

## Section 2 – Hazard(s) Identification

### 2.1 Classification of the substance or mixture:

- H302** Acute toxicity, oral Category 4  
**H312** Acute toxicity, dermal – Category 4  
**H314** Skin corrosion/irritation Category 1  
**H318** Serious eye damage/eye irritation Category 1  
**H331** Acute toxicity, inhalation – Category 3  
**H334** Respiratory sensitization – Category 1  
**H350** Carcinogenicity Category 1A  
**H372** Specific Target Organ Toxicity, repeated exposure (respiratory) – Category 1

### 2.2 GHS Label elements, including precautionary statements



**Hazard Pictogram(s):**  
**Signal word:** Danger

#### Health Hazards

- H302 + H312 Harmful if swallowed or in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H350 May cause cancer  
H372 Causes damage to organs through prolonged or repeated exposure.

#### Prevention Precautions

- P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash with soap and water thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P284 [In case of inadequate ventilation] wear respiratory protection.

### Response Precautions

- P301 + P312 IF SWALLOWED: Call a POISON CENTRE/doctor/physician if you feel unwell.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse.

### Storage Precautions

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

### Disposal Precautions

- P501 Dispose of contents/container according to local, state and federal laws.

Hazards not otherwise classified (HNOC) or not covered by GHS – none

## Section 3 - Composition / Information on Ingredients

### 3.1 Substances

The following ingredients are hazardous according to 2012 OSHA Regulation 29 CFR 1910.1200 criteria.

Name	CAS No.	Concentration (%wt)
Cement, Portland, chemicals	65997-15-1	<50
Contains	CAS No.	Concentration (%wt)
Calcium oxide	1305-78-8	0 – 4
Hexavalent chromium	18450-29-9	0 – 26 PPM
Quartz	14808-60-7	<1

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

**Inhalation:** Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed:** None known.

**4.3 After first aid, get appropriate in-plant, paramedic, or community medical support.**

## Section 5 - Fire-Fighting Measures

**5.1 Extinguishing Media:** Water Fog, Dry Chemical, and Carbon Dioxide Foam

**5.2 Special hazards arising from the substance or mixture:** None known.

**5.3 Advice for firefighters:** Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive-pressure mode.

## Section 6 - Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.
- 6.2 Environmental precautions:** No special environmental precautions required.
- 6.3 Methods and material for containment and cleaning up:** absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution
- 6.4 Reference to other sections:** See Section 3 for Hazardous Ingredients; Section 8 for Exposure Controls; and Section 13 for Disposal.

## Section 7 - Handling and Storage

- 7.1 Precautions for safe handling:** Use good general housekeeping practices. Wash hands after use.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.
- 7.3 Specific end use(s):** These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

## Section 8 - Exposure Controls / Personal Protection

### 8.1 Control parameters:

<b>Cement, portland, chemicals</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (respirable fraction)
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> 8 hours (respirable fraction) 15 mg/m <sup>3</sup> 8 hours (respirable dust)
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> 10 hours (respirable fraction) 10 mg/m <sup>3</sup> 10 hours (respirable dust)
<b>Calcium oxide (1305-78-8)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> 8 hours
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> 8 hours
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> 10 hours
<b>Magnesium oxide (MgO) (1309-48-4)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> 8 hours (inhalable fraction)
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> 8 hours (fume, total particulate)
<b>Quartz (14808-60-7)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> 8 hours (respirable fraction)
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	10mg/m <sup>3</sup> /%SiO <sub>2</sub> +2 (respirable fraction) 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2 (total fraction)
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> 8 hours (respirable dust)

### 8.2 Exposure controls:

**Respiratory Protection:** Should occupational exposure factors warrant a respirator, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate cartridges.

**Hand Protection:** Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.

**Eye Protection:** Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices.

Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Other Protective Clothing/Equipment:** Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

## Section 9 - Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties:

<b>Form:</b>	powder	<b>Appearance:</b>	Powder
<b>Odor:</b>	Odorless	<b>Vapor Pressure:</b>	No data (solid)
<b>Odor Threshold:</b>	>11.5	<b>Vapor Density (Air=1):</b>	No data
<b>Viscosity:</b>	No data (powder)	<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b>	2.6 g/cm <sup>3</sup>
<b>pH:</b>	No data (non-aqueous)	<b>Solubility:</b>	0.1 – 1%
<b>Melting / Freezing Point:</b>	N/A	<b>Partition coefficient (n-octanol/water):</b>	No data
<b>Low / High Boiling Point:</b>	>1000°C	<b>Auto-ignition temperature:</b>	No data
<b>Flash Point:</b>	No data	<b>Decomposition temperature:</b>	No data
<b>Flammability:</b>	No data	<b>Evaporation Rate:</b>	No data
<b>Lower Explosion Limit:</b>	No data	<b>% Volatile:</b>	No data
<b>Upper Explosion Limit:</b>	No data	<b>VOC Content:</b>	No data

## Section 10 - Stability and Reactivity

**10.1 Reactivity:** No hazardous reactions if stored and handled as prescribed/indicated. No corrosive effect on metal. Not fire propagating.

**10.2 Chemical stability:** These products are stable at room temperature in closed containers under normal storage and handling conditions.

**10.3 Possibility of hazardous reactions:** Hazardous polymerization cannot occur.

**10.4 Conditions to avoid:** extreme heat

**10.5 Incompatible materials:** strong acids, halogens, chlorine trifluoride, bromine pentafluoride, phosphorus pentafluoride

**10.6 Hazardous decomposition products:** Thermal oxidative decomposition can produce magnesium oxide fumes, carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

## Section 11- Toxicological Information

### 11.1 Information on toxicological effects:

**Skin Corrosion/Irritation:** May cause serious burns in the presence of moisture.

**Serious Eye Damage/Irritation:** Causes serious eye damage. May cause burns in the presence of moisture.

**Respiratory/Skin Sensitization:** May cause respiratory tract irritation.

**Germ Cell Mutagenicity:** no data

**Carcinogenicity:** May cause cancer.

**Reproductive Toxicity:** no data

**Specific Target Organ Toxicity – Single Exposure:** no data

**Specific Target Organ Toxicity – Repeated Exposure:** no data

**Aspiration Hazard:** no data

**Acute Toxicity:** yes

**Chronic Exposure:** Potential chronic health effects: General: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. If sensitized to hexavalent chromium, a severe allergic dermal reaction may occur when subsequently exposed to very low levels.

**Potential Health Effects – Miscellaneous:** no data

## Section 12- Ecological Information

### 12.1 Toxicity:

Name	Result	Species	Exposure
Calcium oxide	Chronic NOEC 100 mg/L Fresh water	Fish—Oreochromis niloticus—Juvenile (Fledgling, Hatchling, Weanling)	46 days

**12.2 Persistence and Degradability:** no data

**12.3 Bioaccumulative Potential:** no data

**12.4 Mobility in Soil:** no data

**12.5 Results of PBT and vPvB assessment:** no data

**12.6 Other Adverse Effects:** no data

## Section 13 - Disposal Considerations

**13.1 Waste treatment methods:** Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## Section 14 - Transport Information

**Not regulated by DOT, IATA or IMDG**

**14.1 UN number:** none

**14.2 UN proper shipping name:** none

**14.3 Transport hazard class(es):** not applicable

**14.4 Packing group:** not applicable

**14.5 Environmental hazards:** none known

**14.6 Special precautions for user:** none known

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** not applicable

## Section 15 - Regulatory Information

**15.1 Safety health and environmental regulations/legislation specific for the substance or mixture:**

**REACH: Regulation (EC) No 1907/2006 of The European Parliament and of The Council of December 2006 (including amendments and corrigenda as of 17 February 2016):** This product complies with REACH or is not subject to regulation under REACH. The product does not contain an ingredient listed on either the Candidate List or Authorization List for Substances of Very High Concern (SVHC).

**In the United States (EPA Regulations):**

**TSCA Inventory Status (40 CFR710):** All components of this formulation are listed in the TSCA Inventory. No component of this formulation has been determined to be subject to manufacturing or use restrictions under the Significant New Use Rules (SNURs).

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (*de minimis*) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Immediate (Acute), Delayed (Chronic)

**State Right-to-Know:**

<u>Component</u>	<u>State(s)</u>	<u>Conc.</u>
Cement, Portland	MA, NJ, PA	<50

**KEEP OUT OF REACH OF CHILDREN**

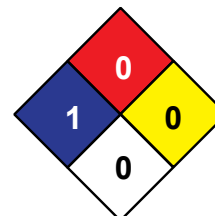


**WARNING:** This product can expose you to chemicals including Lead (CAS 7439-92-1), Chromium (hexavalent compounds)(CAS 18540-29-9), Silica, crystalline (airborne particles of respirable size) (CAS 14808-60-7) and Nickel Compounds (CAS 8049-31-8), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**15.2 Chemical safety assessment:** No chemical safety assessment has been carried out for this substance/mixture by the supplier.

**Section 16 - Other Information**

HMIS	
H	1
F	0
R	0



**NFPA**

**SDS Version:** 2

**Date Prepared:** February 14, 2019

**Glossary:** ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS-Chemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIP-Chemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA-Emergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

**Disclaimer:** The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Buddy Rhodes Concrete Products, it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.

This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008.

Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1272/2008 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.