



## Safety Data Sheet-Water Reducer 310

### 1 – PRODUCT IDENTIFICATION

**Product Name:** Water Reducer 310  
**Product Number:** 1516001  
**Product Use:** construction material, concrete admix

**DATE PREPARED:** 11-29-2016  
**COMPANY:** Buddy Rhodes Concrete Products  
5600 Lower Macungie Road, Macungie, PA 18062  
1-877-706-5303 **International call:** 610-252-5800 (collect calls accepted)  
**EMERGENCY PHONE:** Domestic: 1-800-255-3924 International: 813-248-0585 (Chem-Tel)

### 2 – HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

Not a hazardous substance or mixture according to United States Occupational Safety and Health Administration (OSHA) 2012 Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) and Council Directive 1999/45/EC and its subsequent amendments.

**GHS Label elements, including precautionary statements**

**Hazard Pictogram(s):** none

**Signal word:** none

General Precautions:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.

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

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical names	CAS No	Concentration
polycarboxylate based water reducer	Proprietary Blend	proprietary

**Substance/Mixture:** mixture

**Synonym:** Polycarboxylate



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### 4 – FIRST-AID MEASURES

#### Description of first aid measures

**In case of inhalation:** Immediate medical attention is not required. Remove to fresh air. Get medical attention if irritation persists.

**In case of skin contact:** Immediate medical attention is not required. Wash skin with soap and water. If symptoms develop, obtain medical attention.

**In case of eye:** Immediate medical attention is not required. Irrigate with eyewash solution or clean water until pain is relieved. If symptoms develop, obtain medical attention.

**In case of ingestion:** Treat symptomatically and supportively. Get medical attention. Do NOT ATTEMPT to give anything by mouth to an unconscious person.

**Most important symptoms/effects both acute and delayed:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically and supportively

### 5 – FIRE-FIGHTING MEASURES

**Extinguishing Media:** Suitable extinguishing media: Foam, water spray, dry chemical powder, carbon dioxide, or sand

Unsuitable extinguishing media: Do not use a heavy water stream

**Flash point:** Not applicable

**Auto ignition temperature:** 400°C

**Specific protective equipment and procedures for firefighters:** Wear self contained breathing apparatus and protective clothing

**Specific chemical hazards:** Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

### 6 – ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Possible dust explosion in air. Avoid dispersal in air. Remove all sources of ignition. Dampen spilt material. Sweep up and shovel into waste drums.

**Methods for cleanup:** Disposal should be in accordance with local, state or national legislation. Do not allow to enter drains, sewers or watercourses.

### 7 – HANDLING and STORAGE

**Storage:** Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep only in the original container in a cool, dry, wellventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

Storage class according to TRGS 510 (originally VCI, Germany): (11) Combustible solids.

Protect from temperatures above: 40 °C

The packed product must be protected against exceeding the indicated temperature.

**Handling:** Avoid dust formation. Wear suitable protective clothing and eye/face protection. Avoid inhalation of dusts/mists/vapours. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion: Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air.

Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or



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inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Occupational exposure limits

OSHA PEL for

Particulates Not Otherwise Regulated (PNOR) of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction is recommended. In addition, the ACGIH recommends 3 mg/m<sup>3</sup> - respirable particles and 10 mg/m<sup>3</sup> - inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS). The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline. NIOSH approved, air-purifying particulate respirator with N-95 filters.

**Appropriate engineering controls:** If needed use local exhaust ventilation to keep dust concentration below limits cited in this Section.

#### Personal Protective Equipment

**Respiratory Protection:** None required under normal handling conditions. Use approved dust mask if levels are irritating. Dust mask should conform to EN 149.

**Eye/Face protection:** Goggles protect against dust and particulates. Personal eye protection should conform to EN 166.

**Hand/Skin Protection:** Wear appropriate protective gloves and clothing.

**General Hygiene Considerations:** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and laundry before reuse.

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**Appearance:** Solid, fine powder

**Physical State:** solid

**Color:** yellow

**Odor:** characteristic

**pH:** 6.5-8.5

**Melting Point:** decomposes

**Boiling Point:** NA

**Flash point:** Not applicable

**Flammability (solid,gas):** Product is a finely divided combustible powder and as such constitutes a potential fire hazard. Keep workplace dust levels below the stipulated exposure limits. Prohibit smoking and open flames. Avoid sparks or other sources of static electricity. Product contains low level of organic volatiles which might be emitted at elevated temperatures.

**Explosive Properties:** AVOID CREATING DUST.

CAN FORM EXPLOSIVE DUST-AIR MIXTURES.

**Vapor Pressure:** Not applicable

**Vapor Density (AIR=1):** 450-650 kg/m<sup>3</sup>

**Density:** NA

**Solubility in water:** Soluble in water 20°C

**Partition Coefficient (n-octanol/water):** NOT APPLICABLE

**Auto-ignition temperature:** 400°C

**Viscosity:** 50% dispersion



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### 10 – STABILITY and REACTIVITY

**Reactivity:** No hazardous reaction known under normal conditions of use

**Chemical Stability:** Stable under normal conditions

**Hazardous Reactions:** Stable under normal conditions

**Conditions to avoid:** See section 7

**Incompatible materials:** strong acids, strong bases, strong oxidizing agents, strong reducing agents

**Hazardous Decomposition.:** carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black while burning

### 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** None

**Acute Oral Toxicity:** NA

**Acute Inhalation Toxicity:** Based on available data the classification criteria are not met

**Chronic Toxicity:** Based on available data, the classification criteria are not met

**Irritation:** Non-irritant

**Sensitization:** Non-sensitizing

**Mutagenicity:** Non-mutagenic

**Carcinogenicity:** None known

**Reproductive toxicity:** No known significant effects or critical hazards on reproduction.

**Aspiration hazard:** Not applicable

### 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Not expected to be harmful to aquatic organisms

**Persistence and degradability:** Not readily biodegradable.

**Bioaccumulative potential:** Low potential.

**Mobility in soil:** Not applicable

**Results of PBT and vPvB assessment:** The substance does not meet the criteria to be identified as PBT or vPvB

### 13 –DISPOSAL CONSIDERATIONS

**Disposal considerations:** Waste disposal of substance:

Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

### 14 – TRANSPORTATION INFORMATION

**DOT:** Not regulated, not dangerous good.

**Transport by sea (IMO / IMDG):** Not regulated. Not dangerous good

**Air transport (ICAO/ IATA):** Not regulated. Not dangerous good



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### 15 - REGULATIONS

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SRA Title III Chemical Listings:

**US Federal Regulations**

**TSCA Status:** not regulated

**SECTION 302:** None

**SECTION 312**

**Acute:** None

**Chronic:** None

**Fire:** Fire Hazard

**Pressure:** none

**Reactive:** None

**SARA 313:** none

**Clean Water Act:** not applicable

**FDA:** NA

**US State Regulations**

**CA Prop. 65:**

Not available.

Not classified as dangerous.

**International regulations**

no international regulations listed

### 16 – OTHER INFORMATION

**Additional Information:** This Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HCS-2012) and its adaptation of United Nations 'Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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