



**Section 1 – Product and Company Identification**

**Manufacturer's name:**

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**Product name:** White Cement Base (WCB)

**Product use:** white Portland cement base coat

**Section 2 – Composition, Information on Ingredients**

Component name	CAS #	OSHA PEL-TWA (mg/m <sup>3</sup> )
Calcium Carbonate [CaCO <sub>3</sub> ]*	471-34-1	15 [T], 5 [R]
White Portland Cement *	65997-15-1	15 [T], 5 [R]
Calcium Silicate [CaSiO <sub>3</sub> ]	1344-95-2	15 [T], 5 [R]
Vinyl Acetate	108-05-4	not regulated

\* Major components

**Section 3 – Hazards Identification**

**Emergency overview**

WCB is a powder that possesses little immediate hazard. A single short-term exposure to the dry powder is not likely to cause serious harm. However, exposure of sufficient duration to wet WCB can cause serious, potentially irreversible tissue (skin or eye) destruction in the form of chemical (caustic) burns. The same type of tissue destruction can occur if wet or moist areas of the body are exposed for sufficient duration to dry WCB.

**R-phrases:**

R36: Irritating to eyes.

R37: Irritating to respiratory system.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

**S-phrases**

S2: Keep out of the reach of children.

S8: Keep container dry.

S22: Do not breathe dust.

S24: Avoid contact with skin.

S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of cold water.

S36: Wear suitable protective clothing.

S37: Wear suitable gloves.

S38: In case of insufficient ventilation wear suitable respiratory equipment.

S39: Wear eye/face protection.

S46: If swallowed, seek medical advice immediately and show this container or label.

Irritating to gastro-intestinal tract. WCB should not be eaten.

**Section 4 – First Aid Measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water and seek medical advice
<b>Skin Contact</b>	Wash immediately with plenty of cold water
<b>Inhalation</b>	Rinse throat and nose with water. Breathe fresh air. If necessary, get artificial respiration. Seek medical attention.
<b>Ingestion</b>	Rinse mouth with water and drink plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Seek medical attention if symptoms appear.

**Section 5 – Fire Fighting Measures**

Non-flammable. Any method suitable for extinguishing surrounding fire.

**Section 6 – Accidental Release Measures**

Sweep spilled substance into containers for use if possible, or disposal.

**Section 7 - Handling and Storage**

Wear recommended personal protective equipment when handling. Store material in a cool, dry, ventilated area.

**Section 8 – Exposure Controls and Personal Protection**

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Avoid eye and skin contact. Avoid breathing vapors. Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved respirator or equivalent. Gloves and other clothing to prevent skin exposure.

**Section 9 – Physical and Chemical Properties**

**Appearance:** Fine, white powder

**Physical state:** Solid (powder)

**Odor:** None

**Solubility:** Very slightly soluble in water

**Flash point:** Non-flammable

**Boiling point:** >1000°C / >1832°F

**Vapor pressure:** Not applicable

**Vapor density:** Not applicable

**Melting point:** Not applicable

**Specific gravity (H<sub>2</sub>O=1.0):** 3.15

**pH:** 12-13

**Evaporation rate:** Not applicable

**Section 10 – Stability and Reactivity**

**Stability:** The product is stable.

**Reaction with various substances:** Wet WCB is alkaline, therefore is incompatible with strong acids, ammonium salts and aluminum metal.

**Conditions to avoid:** Unintentional contact with water.

#### Section 11 – Toxicological Information

**Toxicity:** The product itself and its products of degradation are not toxic.

**LD50 (rat):** 6450 mg/kg (calcium carbonate)

#### Section 12 – Ecological Information

**Ecotoxicity:** No recognized unusual toxicity to plants or animals.

**Relevant Physical and Chemical Properties:** See sections 9 and 10.

#### Section 13 – Disposal Considerations

Dispose of in accordance with federal, state or local regulations.

#### Section 14 – Transport Information

**DOT Classification:** Not hazardous

**Special Provisions for Transport:** Not applicable

#### Section 15 – Other Regulatory Information

**Risk and Safety Phrases:** See section 3.

**USDOL-OSHA & MSHA Hazard Communication Rule 29 CFR 1920.1200:** Portland cement is considered a "hazardous chemical" under this regulation, and should be part of any hazard communication program.

**CERCLA/SUPERFUND 40 CFR 117 and 302 (v):** Not listed.

**SARA (Title III), Section 311 and 312:** Portland cement qualifies as a hazardous substance with delayed health effects.

**SARA (Title III), Section 313:** Not subject to reporting requirements under Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372 in concentrations above de minimis levels.

**TSCA (as of May 1997):** Some substances in portland cement are on the TSCA inventory list.

**Federal Hazardous Substances Act:** Portland cement is a "hazardous substance" subject to statutes promulgated under the subject act.

**California Proposition 65:** This product may contain traces of crystalline silica known to the State of California to cause cancer, birth defects, or other reproductive harm. California law requires the manufacturer to give the above warning in the absence of definitive testing to prove that the defined risks do not exist.

#### Section 16 – Other Information

**MSDS revision date:** 16 Jan 2012

**Other important information:** WCB should be used by knowledgeable persons. A key to using the product safely requires the user to recognize that WCB chemically reacts with water, and that some of the intermediate products of this reaction (that is, those present while a cement-based product is setting) pose a more severe hazard than does dry WCB itself.

While the information provided in this material safety data sheet is believed to provide a useful summary of the hazards of WCB as it is commonly used, the sheet cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product.

THE MANUFACTURER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE

ACCURACY OF ANY INFORMATION PROVIDED BY Tagawa Sangyo except that the product shall conform to contracted specifications. The information provided herein was believed by Tagawa Sangyo to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of the product, and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or nondelivery of product, and whether based on contract, breach of warranty, negligence, or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

In particular, the data furnished in this sheet do not address hazards that may be posed by other materials mixed with WCB to produce portland cement products. Users should review other relevant material safety data sheets before working with this portland cement or working with portland cement products, for example, portland cement concrete.

When used within the Shikkui system, WCB is covered by a corresponding limited 10-year warranty. Please ask manufacturer for details.