



MATERIAL SAFETY DATA SHEET

Class N **Pozzolan**

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Class N Pozzolan
Product Use: **Concrete additive.**
Manufacturer/Supplier: Nevada Cement Co.
P.O. Box 840
Fernley Nevada 89408
Phone Number: 775-575-2281
Emergency Phone: **775-575-2281**
Date of Preparation: January 12, 2012

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: Dust may cause eye irritation.

Skin: Dust may cause skin irritation.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: **Dust may cause respiratory tract irritation.**

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin. **Dust may produce itching, rash, and redness. Coughing, sneezing, and shortness of breath.**

Medical Conditions Aggravated By Exposure: Because of its irritating properties, **dust may aggravate preexisting skin, eye, and respiratory conditions.**

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a **"Hazardous Chemical"** as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: **May cause long-term adverse effects in the aquatic environment.** See Section 12 for more information.

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Silica, crystalline, quartz	14808-60-7	60 -100
Sodium 2-biphenylate	132-27-4	< 0.1

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water. Call a physician if irritation develops and persists.

Inhalation: In case of contact with dust, move to fresh air and get medical attention if discomfort persists.

Ingestion: If victim is conscious and alert, give 2 cupfuls of water. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable by OSHA criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Pick up large pieces, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Scoop up material and place in a disposal container. Provide ventilation.

Other Information: Not available.

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Section 7: HANDLING AND STORAGE

Handling:

Use dust-tight containers and keep containers closed when not in use. Prevent accumulation of dust. Do not swallow. **Do not breathe dust.** Use only in well-ventilated areas. Handle and open container with care. Wear appropriate NIOSH approved dust mask or filtering face piece if dust or mist is generated. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Keep container tightly closed. Store in a cool place. Keep away from food, drink and animal feedingstuffs.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

ACGIH-TLV

Ingredient Exposure Limits OSHA-PEL

$((10 \text{ mg/m}^3)/(\% \text{SiO}_2+2) \text{ TWA (resp)})$;
 $((30 \text{ mg/m}^3)/(\% \text{SiO}_2+2) \text{ TWA (total)})$; Silica, crystalline, quartz
 $((250)/(\% \text{SiO}_2+5) \text{ mppcf TWA (resp)})$ 0.025 mg/m³ Sodium 2-biphenylate Not available. Not available.

Engineering Controls: When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust.

Personal Protective Equipment:

Eye/Face Protection: Safety glasses or goggles are recommended for nuisance dust. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 133 (eye and face protection)). Safety shower/eye wash fountain must be readily available in the workplace area (29 CFR 1910.151(c)).

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

Respiratory Protection: A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder. **Color:** Various. **Odor:** Odorless. **Odor Threshold:** Not available. **Physical State:** Solid. **pH:** Not available. **Viscosity:** Not available. **Freezing Point:** Not available. **Boiling Point:** Not available. **Flash Point:** Not available. **Evaporation Rate:** Not available. **Lower Flammability Limit:** Not available. **Upper Flammability Limit:** Not available. **Vapor Pressure:** Not available.

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Vapor Density: Not available.
Specific Gravity: 2.6
Solubility in Water: Insoluble.
Coefficient of Water/Oil Distribution: Not available.
Auto-ignition Temperature: Not available.
Percent Volatile, wt. %: Not available.
VOC content, wt. %: Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Conditions of Reactivity: None known.

Incompatible Materials: None known.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD50 (oral)	LC50
Silica, crystalline, quartz	500 mg/kg, rat	Not available.
Sodium 2-biphenylate	656 mg/kg, rat	Not available.

Eye: **Dust may cause eye irritation.** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: **Dust may cause skin irritation.** Handling can cause dry skin. Dust may produce itching, rash, and redness.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: **Dust may cause respiratory tract irritation. Coughing, sneezing, and shortness of breath.**

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Excessive exposure to particulates (dust) over an extended period of time **may result in the development of silicosis and other pulmonary diseases.**

Chronic Effects: **Hazardous** by OSHA criteria.

Carcinogenicity: **Hazardous** by OSHA criteria.

Ingredient Chemical Listed as Carcinogen or Potential Carcinogen *

Silica, crystalline, quartz G-A2, I-1, N-1, CP65 Sodium 2-biphenylate I-2B, CP65

* See Section 15 for more information. **Mutagenicity:** Not hazardous by OSHA criteria. **Reproductive**

Effects: Not hazardous by /OSHA criteria.

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Developmental Effects:

Teratogenicity: Not hazardous by OSHA criteria.

Embryotoxicity: Not hazardous by OSHA criteria. **Respiratory Sensitization:** Not hazardous by OSHA criteria. **Skin Sensitization:** Not hazardous by OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

Not regulated

Section 15: REGULATORY INFORMATION

Federal Regulations

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.
Sodium 2-biphenylate	Not listed.	Not listed.	Not listed.	313

State Regulations

California Proposition 65:

This product contains chemicals known to the State of California to cause cancer.

Global Inventories

Ingredient USA TSCA

Silica, crystalline, quartz Yes. Sodium 2-biphenylate Yes.

HMIS -Hazardous Materials Identification System

Health – 1* Flammability -0 Physical Hazard -0 PPE – E

NFPA -National Fire Protection Association:

Health -1 Fire -0 Reactivity -0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists. A1 -Confirmed human carcinogen. A2 -Suspected human carcinogen. A3 -Animal carcinogen. A4 -Not classifiable as a human carcinogen. A5 -Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer. 1 -The agent (mixture) is carcinogenic to humans. 2A -The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals. 2B -The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals. 3 -The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans. 4 -The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program. 1 -Known to be carcinogens. 2 -Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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