



**Division of Facilities Services**

**DOD Hazardous Material Information (ANSI Format)  
For Cornell University Convenience Only**

**READY-MIX CONCRETE**

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**Section 1 - Product and Company Identification  
READY-MIX CONCRETE**

**Product Identification:** READY-MIX CONCRETE

**Date of MSDS:** 07/01/1988 **Technical Review Date:** 01/15/1996

**FSC:** 5610 **NIIN:** LIIN: 00N068589

**Submitter:** N EN

**Status Code:** C

**MFN:** 01

**Article:** N

**Kit Part:** N

<http://msds.ehs.cornell.edu/msds/msdsdod/a440/m219504.htm>

### Manufacturer's Information

**Manufacturer's Name:** CENTRAL CONCRETE SUPPLY CO INC  
**Manufacturer's Address1:** 610 MCKENDRIE STREET  
**Manufacturer's Address2:** SAN JOSE, CA 95110-1565  
**Manufacturer's Country:** US  
**General Information Telephone:** 408-293-8272  
**Emergency Telephone:** 415-449-4334  
**Emergency Telephone:** 415-449-4334  
**MSDS Preparer's Name:** JEFF A FORTIN  
**Proprietary:** N  
**Reviewed:** N  
**Published:** Y  
**CAGE:** JO264  
**Special Project Code:** N

### Contractor Information

**Contractor's Name:** CENTRAL CONCRETE SUPPLY CO INC  
**Contractor's Address1:** 610 MCKENDRIE STREET  
**Contractor's Address2:** SAN JOSE, CA 95110-1565  
**Contractor's Telephone:** 408-293-8272  
**Contractor's CAGE:** JO264

### Section 2 - Composition/Information on Ingredients READY-MIX CONCRETE

**Ingredient Name:** COAL FLY ASH; (FLY ASH)  
**Ingredient CAS Number:** 68131-74-8 **Ingredient CAS Code:** M  
**RTECS Number:** GF8285000 **RTECS Code:** M  
**=WT: =WT Code:**  
**=Volume: =Volume Code:**  
**>WT: >WT Code:**  
**>Volume: >Volume Code:**  
**<WT: <WT Code:**  
**<Volume: <Volume Code:**  
**% Low WT: % Low WT Code:**  
**% High WT: % High WT Code:**  
**% Low Volume: % Low Volume Code:**  
**% High Volume: % High Volume Code:**  
**% Text:** N/K  
**% Enviromental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** N/K (FP N) **OSHA PEL Code:** M  
**OSHA STEL:** OSHA STEL Code:  
**ACGIH TLV:** N/K (FP N) **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:** N

**Ingredient Name:** GRAVEL  
**Ingredient CAS Number:** **Ingredient CAS Code:** X  
**RTECS Number:** **RTECS Code:** X  
**=WT:** **=WT Code:**  
**=Volume:** **=Volume Code:**  
**>WT:** **>WT Code:**  
**>Volume:** **>Volume Code:**  
**<WT:** **<WT Code:**  
**<Volume:** **<Volume Code:**  
**% Low WT:** **% Low WT Code:**  
**% High WT:** **% High WT Code:**  
**% Low Volume:** **% Low Volume Code:**  
**% High Volume:** **% High Volume Code:**  
**% Text:** N/K  
**% Enviromental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** N/K (FP N) **OSHA PEL Code:** M  
**OSHA STEL:** **OSHA STEL Code:**  
**ACGIH TLV:** N/K (FP N) **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name:** HEAVY METALS  
**Ingredient CAS Number:** **Ingredient CAS Code:** X  
**RTECS Number:** **RTECS Code:** X  
**=WT:** **=WT Code:**  
**=Volume:** **=Volume Code:**  
**>WT:** **>WT Code:**  
**>Volume:** **>Volume Code:**  
**<WT:** **<WT Code:**  
**<Volume:** **<Volume Code:**  
**% Low WT:** **% Low WT Code:**  
**% High WT:** **% High WT Code:**  
**% Low Volume:** **% Low Volume Code:**  
**% High Volume:** **% High Volume Code:**  
**% Text:** TRACE  
**% Enviromental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** N/K (FP N) **OSHA PEL Code:** M  
**OSHA STEL:** **OSHA STEL Code:**  
**ACGIH TLV:** N/K (FP N) **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name:** PORTLAND CEMENT

**Ingredient CAS Number:** 65997-15-1 **Ingredient CAS Code:** M  
**RTECS Number:** VV8770000 **RTECS Code:** M  
**=WT: =WT Code:**  
**=Volume: =Volume Code:**  
**>WT: >WT Code:**  
**>Volume: >Volume Code:**  
**<WT: <WT Code:**  
**<Volume: <Volume Code:**  
**% Low WT: % Low WT Code:**  
**% High WT: % High WT Code:**  
**% Low Volume: % Low Volume Code:**  
**% High Volume: % High Volume Code:**  
**% Text:** N/K  
**% Enviromental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** 50 MPPCF; Z-3 **OSHA PEL Code:** M  
**OSHA STEL:** **OSHA STEL Code:**  
**ACGIH TLV:** 10 MG/M3 TDUST **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:** N

**Ingredient Name:** SAND  
**Ingredient CAS Number:** **Ingredient CAS Code:** X  
**RTECS Number:** **RTECS Code:** X  
**=WT: =WT Code:**  
**=Volume: =Volume Code:**  
**>WT: >WT Code:**  
**>Volume: >Volume Code:**  
**<WT: <WT Code:**  
**<Volume: <Volume Code:**  
**% Low WT: % Low WT Code:**  
**% High WT: % High WT Code:**  
**% Low Volume: % Low Volume Code:**  
**% High Volume: % High Volume Code:**  
**% Text:** N/K  
**% Enviromental Weight:**  
**Other REC Limits:** N/K  
**OSHA PEL:** 50 MPPCF; Z-3 **OSHA PEL Code:** M  
**OSHA STEL:** **OSHA STEL Code:**  
**ACGIH TLV:** 10 MG/M3 TDUST **ACGIH TLV Code:** M  
**ACGIH STEL:** N/P **ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:**

**Ingredient Name:** SILICA, CRYSTALLINE - QUARTZ; (QUARTZ)  
**Ingredient CAS Number:** 14808-60-7 **Ingredient CAS Code:** M  
**RTECS Number:** VV7330000 **RTECS Code:** M

**=WT: =WT Code:**  
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**>Volume: >Volume Code:**  
**<WT: <WT Code:**  
**<Volume: <Volume Code:**  
**% Low WT: % Low WT Code:**  
**% High WT: % High WT Code:**  
**% Low Volume: % Low Volume Code:**  
**% High Volume: % High Volume Code:**  
**% Text: N/K**  
**% Enviromental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: N/K (FP N) OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: N/K (FP N) ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical: N**

**Ingredient Name: WATER**  
**Ingredient CAS Number: 7732-18-5 Ingredient CAS Code: M**  
**RTECS Number: ZC0110000 RTECS Code: M**  
**=WT: =WT Code:**  
**=Volume: =Volume Code:**  
**>WT: >WT Code:**  
**>Volume: >Volume Code:**  
**<WT: <WT Code:**  
**<Volume: <Volume Code:**  
**% Low WT: % Low WT Code:**  
**% High WT: % High WT Code:**  
**% Low Volume: % Low Volume Code:**  
**% High Volume: % High Volume Code:**  
**% Text: N/K**  
**% Enviromental Weight:**  
**Other REC Limits: N/K**  
**OSHA PEL: N/K (FP N) OSHA PEL Code: M**  
**OSHA STEL: OSHA STEL Code:**  
**ACGIH TLV: N/K (FP N) ACGIH TLV Code: M**  
**ACGIH STEL: N/P ACGIH STEL Code:**  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical: N**

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**Section 3 - Hazards Identification, Including Emergency Overview**  
**READY-MIX CONCRETE**

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**Health Hazards Acute & Chronic: WET PORTLAND CEMENT CONCRETE IN PLASTIC STATE**

<http://msds.ehs.cornell.edu/msds/msdsdod/a440/m219504.htm>

CAN DRY THE SKIN AND CAUSE ALKALI IRRITATION.

**Signs & Symptoms of Overexposure:**  
SEE HEALTH HAZARDS.

**Medical Conditions Aggravated by Exposure:**  
NONE SPECIFIED BY MANUFACTURER.

**LD50 LC50 Mixture:** NONE SPECIFIED BY MANUFACTURER.

**Route of Entry Indicators:**

**Inhalation:** NO

**Skin:** YES

**Ingestion:** NO

**Carcinogenicity Indicators**

**NTP:** YES

**IARC:** YES

**OSHA:** NO

**Carcinogenicity Explanation:** SILICA, CRYSTALLINE-QUARTZ:IARC MONO, SUPP. VOL 7, PG 341, 1987: GROUP 2A. NTP 7TH ANNUAL REPORT ON CARCINS, (SUPDAT)

#### **Section 4 - First Aid Measures** **READY-MIX CONCRETE**

##### **First Aid:**

SKIN: EXPOSED SKIN SHOULD BE WASHED W/SOAP & WATER. EYE: IRRIGATE IMMEDIATELY & REPEATEDLY W/CLEAN WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF PERSISTENT IRRITATION OF SKIN OR EYES. INHAL : REMOVE TO FRESH AIR. SUPPORT BREATHING(GIVE O\*2/ARTF RESP)(FP N). INGEST: CALL MD IMMEDIATELY(FP N).

#### **Section 5 - Fire Fighting Measures** **READY-MIX CONCRETE**

##### **Fire Fighting Procedures:**

WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT(FP N).

##### **Unusual Fire or Explosion Hazard:**

PORTLAND CEMENT IS NOT EXPLOSIVE.

##### **Extinguishing Media:**

USE MEDIA SUITABLE FOR SURROUNDING FIRE(FP N).

**Flash Point:** Flash Point Text: NONCOMBUSTIBLE

##### **Autoignition Temperature:**

**Autoignition Temperature Text:** N/A

**Lower Limit(s):** N/K

**Upper Limit(s):** N/K

## Section 6 - Accidental Release Measures READY-MIX CONCRETE

**Spill Release Procedures:**  
NONE SPECIFIED BY MANUFACTURER.

## Section 7 - Handling and Storage READY-MIX CONCRETE

**Handling and Storage Precautions:**

**Other Precautions:**

## Section 8 - Exposure Controls & Personal Protection READY-MIX CONCRETE

**Respiratory Protection:**  
USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

**Ventilation:**  
NONE SPECIFIED BY MANUFACTURER.

**Protective Gloves:**  
IMPERVIOUS GLOVES(FP N).

**Eye Protection:** ANSI APPRVD CHEM WORKERS GOGGS(FP N).

**Other Protective Equipment:** ANSI APPRVD EMER EYEWASH & DELUGE SHOWER(FP N).  
PROT CLTHG & BOOTS SHOULD BE WORN TO AVOID PRLNGD SKIN CONT W/CONCRETE.

**Work Hygienic Practices:** AFTER WORK IS COMPLETED, WORKER SHOULD SHOWER  
W/SOAP & WATER.

**Supplemental Health & Safety Information:** EXPLAN OF CARCINS: 1994: ANTICIPATED TO BE  
CARCINOGEN.

## Section 9 - Physical & Chemical Properties READY-MIX CONCRETE

**HCC:**

**NRC/State License Number:**

**Net Property Weight for Ammo:**

**Boiling Point:** Boiling Point Text: N/K

**Melting/Freezing Point:** Melting/Freezing Text: N/K

**Decomposition Point:** Decomposition Text: N/K

**Vapor Pressure:** N/K Vapor Density: N/K

**Percent Volatile Organic Content:**

**Specific Gravity:** N/K

**Volatile Organic Content Pounds per Gallon:**

**pH:** N/K

**Volatile Organic Content Grams per Liter:**

**Viscosity:** N/P

**Evaporation Weight and Reference:** N/K

**Solubility in Water:** N/K

**Appearance and Odor:** WET MASS OF PORTLAND CEMENT & FINE & COARSE AGGREGATE

<http://msds.ehs.cornell.edu/msds/msdsdod/a440/m219504.htm>

W/LITTLE OR NO ODOR.

Percent Volatiles by Volume: N/K

Corrosion Rate: N/K

### **Section 10 - Stability & Reactivity Data READY-MIX CONCRETE**

**Stability Indicator:** YES

**Materials to Avoid:**

NONE SPECIFIED BY MANUFACTURER.

**Stability Condition to Avoid:**

NONE SPECIFIED BY MANUFACTURER.

**Hazardous Decomposition Products:**

CONCRETE WILL NOT DECOMPOSE IN HAZARDOUS BY-PRODUCTS.

**Hazardous Polymerization Indicator:** NO

**Conditions to Avoid Polymerization:**

NOT RELEVANT.

### **Section 11 - Toxicological Information READY-MIX CONCRETE**

**Toxicological Information:**

N/P

### **Section 12 - Ecological Information READY-MIX CONCRETE**

**Ecological Information:**

N/P

### **Section 13 - Disposal Considerations READY-MIX CONCRETE**

**Waste Disposal Methods:**

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS(FP N).

### **Section 14 - MSDS Transport Information READY-MIX CONCRETE**

**Transport Information:**

N/P

### **Section 15 - Regulatory Information READY-MIX CONCRETE**

**SARA Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P



**Section 16 - Other Information**  
**READY-MIX CONCRETE**

**Other Information:**

N/P

**HAZCOM Label Information**

**Product Identification:** READY-MIX CONCRETE

**CAGE:** JO264

**Assigned Individual:** Y

**Company Name:** CENTRAL CONCRETE SUPPLY CO INC

**Company PO Box:**

**Company Street Address1:** 610 MCKENDRIE STREET

**Company Street Address2:** SAN JOSE, CA 95110-1565 US

**Health Emergency Telephone:** 415-449-4334

**Label Required Indicator:** Y

**Date Label Reviewed:** 01/15/1996

**Status Code:** C

**Manufacturer's Label Number:**

**Date of Label:** 01/15/1996

**Year Procured:** N/K

**Organization Code:** G

**Chronic Hazard Indicator:** Y

**Eye Protection Indicator:** YES

**Skin Protection Indicator:** YES

**Respiratory Protection Indicator:** YES

**Signal Word:** WARNING

**Health Hazard:** None

**Contact Hazard:** Moderate

**Fire Hazard:** None

**Reactivity Hazard:** None

8/9/2002 9:30:44 AM