



Division of Facilities Services

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

READY-MIX CONCRETE

Section 1 - Product and Company Identification	Section 9 - Physical & Chemical Properties
Section 2 - Composition/Information on Ingredients	Section 10 - Stability & Reactivity Data
Section 3 - Hazards Identification Including Emergency Overview	Section 11 - Toxicological Information
Section 4 - First Aid Measures	Section 12 - Ecological Information
Section 5 - Fire Fighting Measures	Section 13 - Disposal Considerations
Section 6 - Accidental Release Measures	Section 14 - MSDS Transport Information
Section 7 - Handling and Storage	Section 15 - Regulatory Information
Section 8 - Exposure Controls & Personal Protection	Section 16 - Other Information

The information in this document is compiled from information maintained by the United States Department of Defense (DOD). Anyone using this information is solely responsible for the accuracy and applicability of this information to a particular use or situation. Cornell University does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.

**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

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 - Compositon/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:
=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: 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

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

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

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 Hygenic 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

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