

Product Name: Class 2 Aggregate Base MSDS #: 05-AB0004A

Material Safety Data Sheet

County Quarry Products LLC, Martinez CA

County Quarry Products LLC
5501 Imhoff Dr.
Martinez, CA 94553
(925) 682-0707

MSDS NO: 05-AB0004A

Section I – Product Identification

Product Name: Class II Aggregate Base
Synonym: Fill, Sand, Gravel, Crushed Rock
Chemical Family: None
Formula: None
CAS Number: None
DOT Proper Name: Class II Aggregate Base
DOT Hazard Class: None
UN/NA Number: None

Section II – Health/Safety Alert

Harmful if inhaled. May cause mechanical irritation. Avoid prolonged and/or repeated contact. Observe good hygiene and safety practices when handling this product. Do not use the product until the MSDS is read and understood.

Section III – Health Hazard Information

Eyes: Contact with the eye may cause mechanical irritation.

Skin: Repeated and/or prolonged contact may cause irritation.

Inhalation: Repeated or prolonged inhalation of dust may cause respiratory tract irritation. Repeated and/or prolonged inhalation of crystalline silica may cause coughing; wheezing and impairment of lung function leading to a fibrous condition of the lung called silicosis.

Ingestion: Ingestion of this material may cause gastrointestinal distress.

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Section IV – Emergency First Aid Procedures

Eye Contact: Gently flush any particles from the eye with large quantities of water. Immediately seek medical aid.

Skin Contact: Wash thoroughly with soap and water. If irritation persists, seek medical attention.

Inhalation: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as indicated. Seek medical aid.

Note to Physician: There is no specific antidote for effects from over exposure to this product. Treatment should be directed to the control of symptoms and clinical condition of the patient.

Section V – Fire and Explosion Hazard Information

Flash Point & Method: NA Auto ignition Temp.: NA

Flammable Limits (% By Volume of Air) Lower: NA Upper: NA

Extinguishing Media: Not combustible under normal conditions of use.

Fire Fighting Procedures: Not applicable.

Fire and Explosion Hazards: Not applicable.

Section VI – Spill, Leak and Disposal Information

Spill or Leak Procedures (Product): Contain spillage while avoiding the flushing of product into streams or sewers. Pickup, avoiding the generation of dust; put into container.

Waste Disposal: This product is not defined as a USEPA defined hazardous waste but should be disposed of as an industrial waste according to local, state, and federal regulations.

Section VII – Recommended Exposure Limit for Hazardous Ingredients

Exposure limit (product): *(OSHA) = 1- mg/m³ SiO₂+2 (respirable quartz);
(NIOSH) = 50 microgram/m³ 10 hr. TWA (respirable free silica)

** typically

*** respirable dust

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Hazardous Ingredients	CAS Number	%	Exposure Limit (PPM;Mg/M3)
Crystalline Silica	14808-60-7	>1%**	ACGIH-TLV 0.1*** OSH-PEL*

Section VIII – Personal Protection Information

Eye Protection: Industrial safety glasses, minimum, and other equipment as necessary to comply with 29 CFR 1910.133 and work area conditions: Use side shields, goggles or face shield.

Skin Protection: As required, industrial, resistant fabric type gloves. Wear industrial type work clothing and safety footwear.

Respiratory Protection: Not required under normal use conditions. IF ventilation does not maintain inhalation exposures below TLV(PEL), use MSHA/NIOSH approved units per current 29 CFR 1910.134 and manufacturer's "instructions" and "Warnings". Use a MSHA/NIOSH TC-21C dust respirator.

Ventilation: Provide sufficient general/local exhaust ventilation in pattern/volume to control inhalation exposure below current exposure limits.

Section IX – Personal Handling Instructions

Handling: Avoid prolonged or repeated contact with skin or eyes. Do not breathe dust.

Storage: No special storage is required.

Other: Was exposed areas promptly and thoroughly after skin contact and before eating, drinking, using tobacco products or rest rooms. Do not use until the manufacturer's precautions have been read and understood.

Section X – Reactivity Data

Conditions Contributing to Instability: None

Incompatibility: None

Conditions Contributing to Hazardous Polymerization: None

Section XI – Physical Data

Boiling Point: NA	Melting Point: NA	% Volatile By Volume: NA
Vapor Pressure: NA	Vapor Density (Air=1): NA	Viscosity: NA
Evaporation Rate(Ether=1): NA		
Solubility (Water): Nonsoluble		Ph: NA

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VOC: NA Coefficient of Water/Oil Distribution: ND

Appearance/Odor: Odorless, gray, brown, poorly graded gravel with silt and sand.

Section XII – Comments

Individuals with pre-existing disease in or a history of ailments involving the skin or respiratory tract may be at a greater risk of developing adverse health effects when exposed to this material.

There is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals. There is limited evidence for the carcinogenicity of crystalline silica to humans.

No known ingredients which occur at greater than .01%, other than those listed above, are listed as a carcinogen in the IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, the NTP annual report on Carcinogens or OSHA 29 CFR 1910.1001-1047 subpart Z Toxic and Hazardous Substances (Specifically Regulated Substances).

Section XIII – Proposition 65 Warning

Sand, Gravel and Crushed Rock are not included on the Governor's list of toxic chemicals published on February 27, 1988. However, because these products may contain varied amounts of crystalline silica, we are required by Proposition 65 to provide the following warning:

DETECTABLE AMOUNTS OF CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM MAY BE FOUND IN THE PRODUCT AND ITS AREA OF PRODUCTION.

Notice:

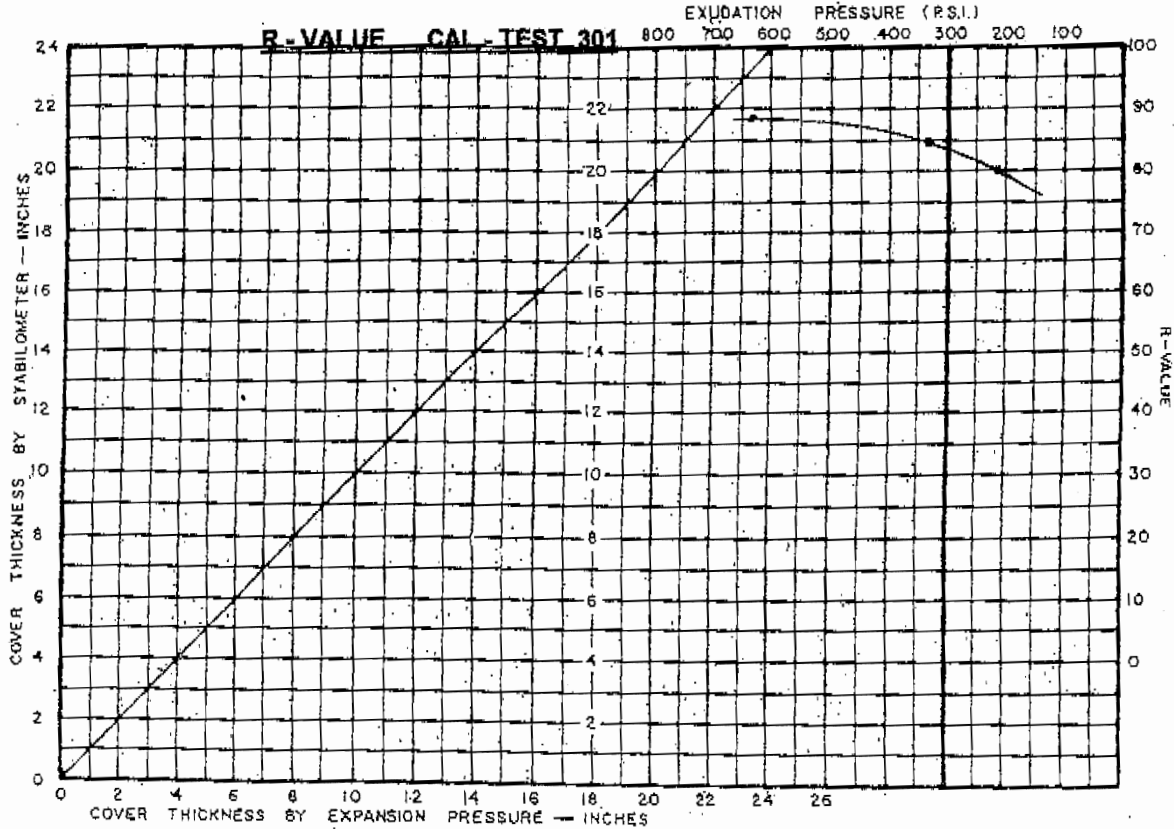
While the information and recommendations set forth herein are believed to be accurate as of the data hereof, County Quarry Products, LLC makes no warranty with respect thereto and disclaims all liability from reliance thereon.



CONSTRUCTION MATERIALS TESTING, INC.

Job Name: COUNTY QUARRY PRODUCTS
 Sample Description: very dark gray brown 3/4" recycled class II AB
 Source: COUNTY QUARRY PRODUCTS
 Client Name: COUNTY QUARRY PRODUCTS

Job No: 99779
 Sample No: 1
 Date: 7-23-10
 Sampled: CLIENT Tested: JPM



Exudation psi	Compaction psi	Expansion (0.0001")	Expansion psi	Moisture %	Dry Density	Resistance Value
641	350	0.0000	0	7.8	128.1	88
337	350	0.0000	0	8.7	126.2	85
212	350	0.0000	0	9.6	124.5	80

Remarks: _____

Resistance Value
83



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 Source: COUNTY QUARRY PRODUCTS Date: 7-19-10
 Client Name: COUNTY QUARRY PRODUCTS Sampled: CLIENT Tested: JPM

SAND EQUIVALENT CAL-TEST 217

Sample No.	Sand Reading	Clay Reading	Sand Equivalent
1	2.9	6.5	45
2	3.0	6.3	48
3	2.9	6.4	46
4	3.0	6.4	47
			SAND EQUIVALENT
			47

Remarks: _____



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DURABILITY INDEX CAL-TEST 229

COARSE DURABILITY

FINE DURABILITY

Table with 4 columns: Sample #, Starting Weight g., Sediment Reading, Durability Index (Df). Row 1: 1, 2549, 08, 78.

Table with 4 columns: Starting Weight g., Sand Reading, Clay Reading, Durability Index (Dc). Row 1: 500, 3.2, 6.8, 47.

Remarks:



CONSTRUCTION MATERIALS TESTING, INC.

PARTICLE SIZE ANALYSIS - CTM 202

Project: COUNTY QUARRY PRODUCTS

Project No.: 99779

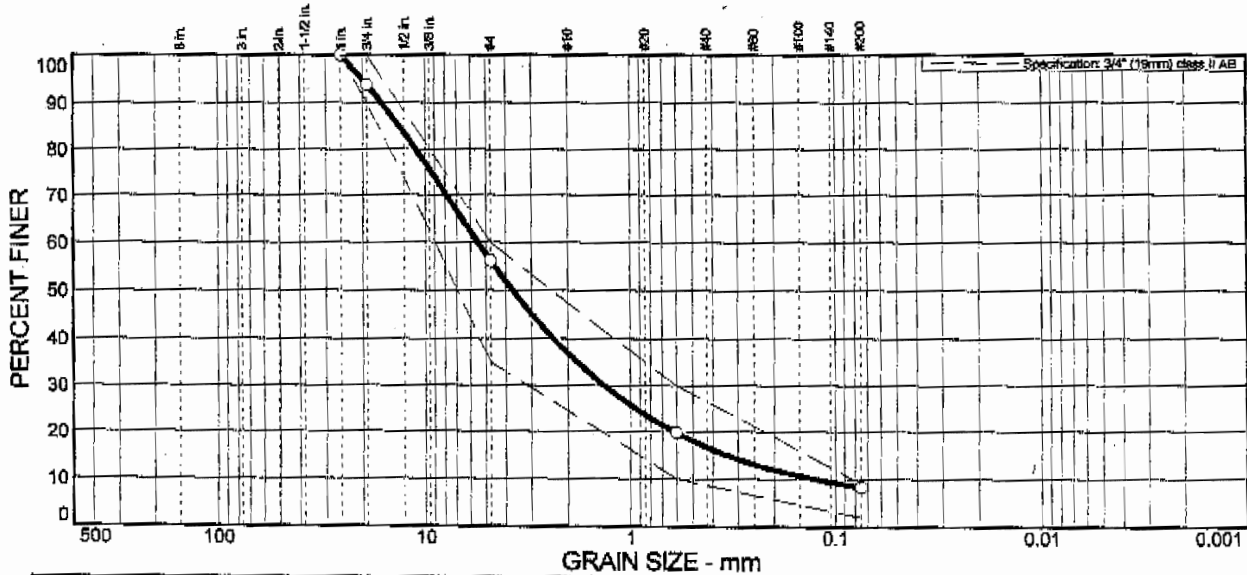
Client: COUNTY QUARRY PRODUCTS

Sample No: 1

Source of Sample: County Quarry Products (july 2010) **Date:** 7-19-10

Location: county quarry product

Elev./Depth:



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	6.2	37.6	19.3	20.2	8.4	8.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1 in.	100.0	100.0 - 100.0	
3/4 in.	93.8	90.0 - 100.0	
#4	56.2	35.0 - 60.0	
#30	19.8	10.0 - 30.0	
#200	8.3	2.0 - 9.0	

Soil Description
 VERY DARK GRAY BROWN 3/4" RECYCLED CLASS II AB

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₈₅= 13.4 D₆₀= 5.48 D₅₀= 3.70
 D₃₀= 1.34 D₁₅= 0.337 D₁₀= 0.123
 C_u= 44.40 C_c= 2.64

Classification
 USCS= AASHTO=

Remarks
 CLIENT/JPM

* 3/4" (19mm) class II AB

Plate