



PRODUCT DATA SHEET

High Calcium Quicklime (calcium oxide)

Product Size: -1/8 inch; (-3mm)

CAS Registry # 1305-78-8

Apex Plant, North Las Vegas, Nevada

Active Ingredient - Available Lime as Calcium Oxide, CaO 91.1%

Physical Properties*

Particle Size: -1/8 inch -3mm

Reactivity –

Temperature Rise, 25 °C

°C in 30 seconds

Temperature Rise, 50 °C

°C in 180 seconds

Bulk Density: Lbs./ft³ g/cm³
55-65 0.88 - 1.04

Typical Chemical Analysis*

Calcium Oxide 93.4%

Magnesium Oxide 1.5%

Ca and Mg Oxides 96.0%
(nonvolatile basis)

Acid Insoluble Matter, 2.2%
including SiO₂

Combined Oxides
Al, Fe, Mn, Ti, P 0.9%

Carbon Dioxide 0.7

Sulfur, as S 0.05%

**All information based on averages. Normal variations can be expected in daily shipments. Test methods conform to ASTM C 25 or C 110. If additional chemical or physical property information is required, please contact Chemical Lime Company Technical Services, 1-800-978-0325.*





PRODUCT DATA SHEET continued

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Product Qualifications

Organization	Specification	Application or Use
AASHTO	M 216	Soil Stabilization
ANSI/NSF	Standard 60	Drinking Water Treatment Additive
ASTM	C 5	For Structural Purposes
ASTM	C 602	Agriculture
ASTM	C 821	With Pozzolans
ASTM	C 911	Chemical Uses
ASTM	C 977	Soil Stabilization
AWWA	B202	Potable Water Treatment

Similar technical grade **calcium oxide** products (CAS # 1305-78-8) are manufactured by CLC at Montevallo, AL; Douglas, AZ; Peach Springs, AZ; Langley, B.C., Canada; Bancroft, ID; Ste. Genevieve, MO; Clifton, TX; and Kimballton, VA. Calcium oxide is available at terminals in additional locations.

Technical grade **calcium hydroxide** products (CAS # 1305-62-0) are manufactured by CLC at Peach Springs, AZ; City of Industry, CA; Stockton, CA; Langley, B.C., Canada; North Las Vegas, NV; Belen, NM; Clifton, TX; and Kimballton, VA.

Dolomite materials (CAS Registry # 16389-88-1) are produced by CLC at Salinas, CA; North Las Vegas, NV; Marble Falls, TX; and Grantsville, UT.

Dolomitic Quicklime ($\text{CaO} \cdot \text{MgO}$) is produced at Alabaster, AL; Salinas, CA; North Las Vegas, NV; Marble Falls, TX; and Grantsville, UT.

Type S dolomitic hydrated lime ($\text{Ca}(\text{OH})_2 \cdot \text{Mg}(\text{OH})_2$) is produced at Henderson, NV; New Braunfels, TX and Grantsville, UT

For additional information, contact your Chemical Lime Company representative or call 1-800-365-6724 (eastern U.S.) or 1-800-978-0325 (western U.S.) or write to the address below.

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