

TARA MINERALS & CHEMICALS PVT. LTD.
751, Umaid Hospital Road, Near Geeta Bhawan, Jodhpur - 342001. (Raj.)
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MSDS - QUICKLIME
MATERIAL SAFETY DATA SHEET INFORMATION

IDENTITY	QUICKLIME
Manufacturer's Name	Tara Minerals & Chemicals Pvt. Ltd.
Address	751, Umaid hospital Rd., Near Geeta Bhawan, Jodhpur (RAJ) 342 001
Telephone Number for Emergencies	0291 2636 418
Telephone Number for Information	0291 2435 228
Common Name Chemical Identity Chemical Formula CAS Number	Quicklime, Unslacked lime, Burnt lime. Calcium Oxide CaO 1305-78-8
OSHA PEL	
ACGIH TLV	2mg/M ³
Other Limits Recommended	
Boiling Point	5162°F (2850°C)
Specific Gravity (H₂O=1)	
Vapor Pressure (mm Hg)	N/A
Melting Point	4658°F (2570°C)
Vapor Density (Air =1)	N/A
Evaporation Rates (Butyl Acetate=1)	N/A
Solubility in Water	Negligible (0.120 grams per 100 gms.sat.sol. at 25°C)
Appearance and Odor	White lumps, pebbles or granules, no odor
Flash Point (Method Used)	N/A
Flammable Limits	N/A
LEL	N/A
UEL	N/A

Extinguishing Media	N/A
Special Fire Fighting Procedures	In itself, quicklime is incombustible. If it comes in contact with water or humid air it hydrates, evolving heat. Heat could ignite paper, wood or rags.
Unusual Fire and Explosion Hazards	Water on quicklime causes an exothermic reaction, as noted above.
Stability	<i>Unstable: Yes</i> <i>Conditions to Avoid:</i> Coming into contact with water, humid air or acids.
	<i>Stable: Yes</i> If no moisture or acids are present.
Incompatibility: <i>Materials to Avoid</i>	Should not be mixed or stored in contact with chemicals that are moist or have water of hydration.
Hazardous Decomposition or Byproducts	None
Hazardous Polymerization	<i>Will Not Occur: X</i>
	<i>May Occur:</i> conditions to Avoid:
Route(s) of Entry	<i>Inhalation? X</i>
	<i>Skin? X</i>
	<i>Ingestion?</i>
Health Hazards (<i>Acute and Chronic</i>)	Under hot humid conditions quicklime can cause skin burns to a perspiring work or skin irritation. Can be irritating if inhaled, causing sneezing.
Carcinogenicity?	N/A <i>NTP?</i> <i>IARC Mongrographs?</i> <i>OSHA Regulated?</i>
Signs and Symptoms of Exposure	Redness of skin, sneezing.
Medical Conditions Generally Aggravated by Exposure	N/A
Emergency and First Aid Procedures	In case of burns or skin irritation use boric acid salve or burn ointment. For eyes, flush out immediately with water and see physician.

Other Precautions	
Steps to Be Taken in Case Material is Released or Spilled	Clean up by normal physical methods.
Waste Disposal Method	Salvage for use or remove to dump. Do not place where heat of hydration by contact with water could ignite adjacent materials such as wood or paper.
Precautions to Be Taken in Handling and Storing	Do not store near acids or chemicals, which are moist or contain water of hydration. Store in a dry area.
Respiratory Protector (<i>Specify Type</i>)	Protective dust mask
Ventilation	<i>Mechanical (General):</i> Adequate to keep dust conc. below TLV.
	<i>Other:</i> Vent dust to a collector.
	<i>Local Exhaust:</i>
	<i>Special:</i>
Protective Gloves	Normal work gloves
Eye Protection	Tight fitting safety goggles
Other Protective Clothing or Equipment	Long sleeved shirt with buttoned collar. Long pants extending over work shoes. Protective cream may be used on exposed skin if needed.
Work/Hygienic Practices	Quicklime dust should be washed from skin and hair.